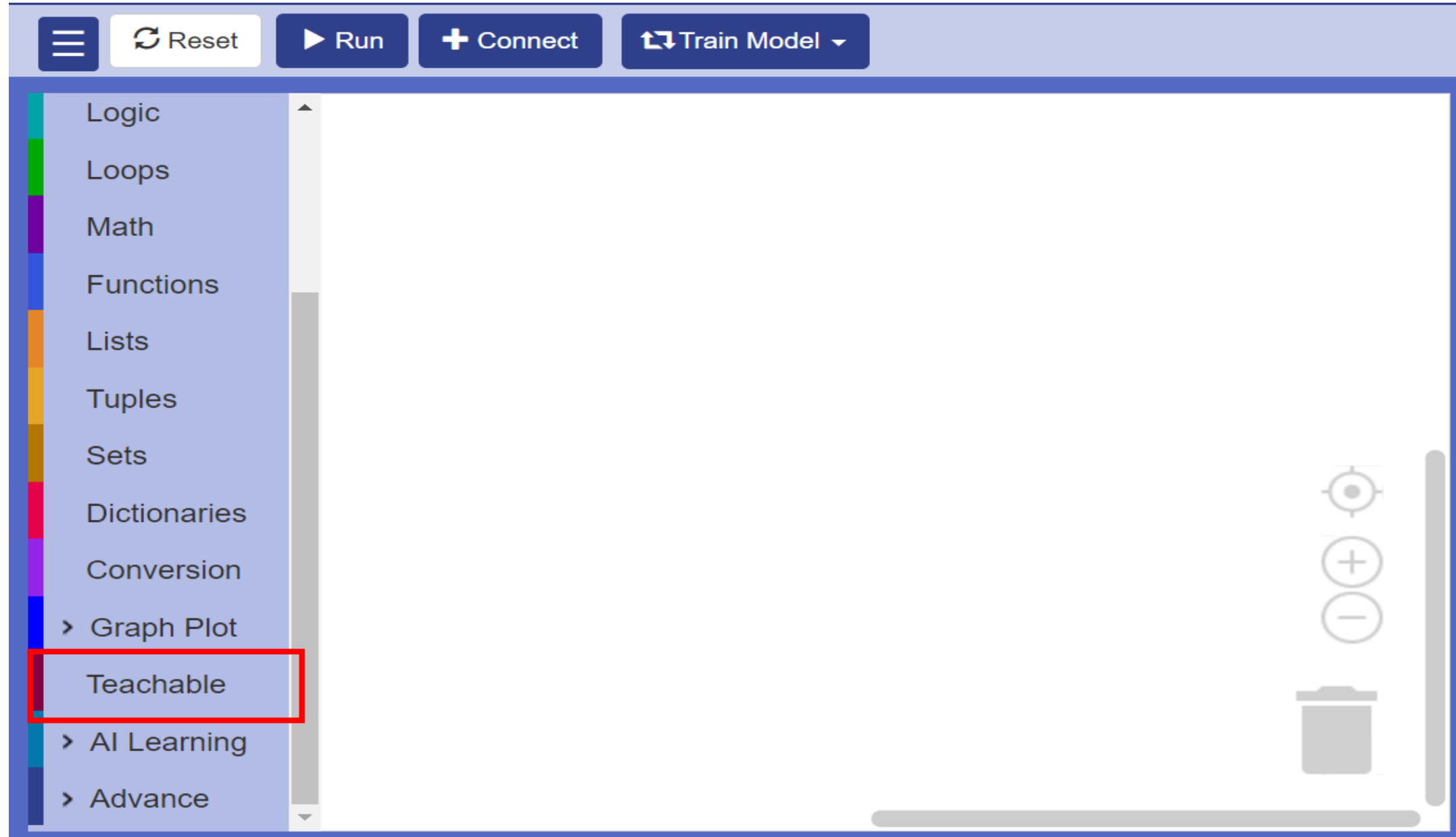


The slide features several decorative geometric patterns. In the top-left corner, there is a vertical strip of overlapping yellow, orange, and green shapes. To its right is a circular arrangement of ten colorful triangles (purple, blue, green, yellow, orange, red, pink, magenta, cyan, and teal) pointing outwards. The bottom-left corner contains a stylized mountain range in shades of green and yellow. The bottom-right corner is decorated with a horizontal arrangement of various geometric shapes including triangles, circles, and lines in yellow, orange, and green.

AI Connect

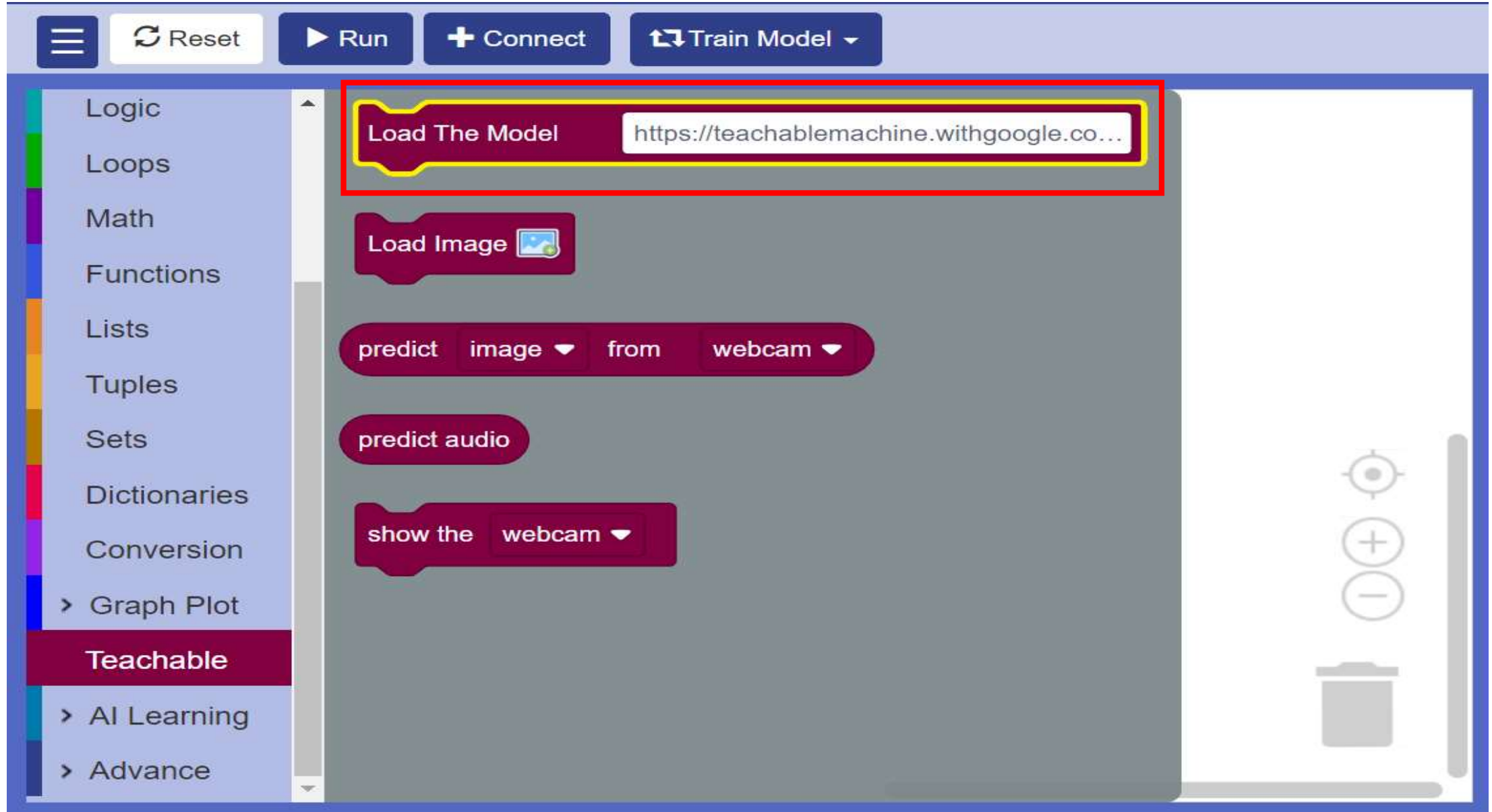
Activity: Find out the Person With Mask or Without Mask

STEP 1: Click on Teachable



Activity: Find out the Person With Mask or Without Mask

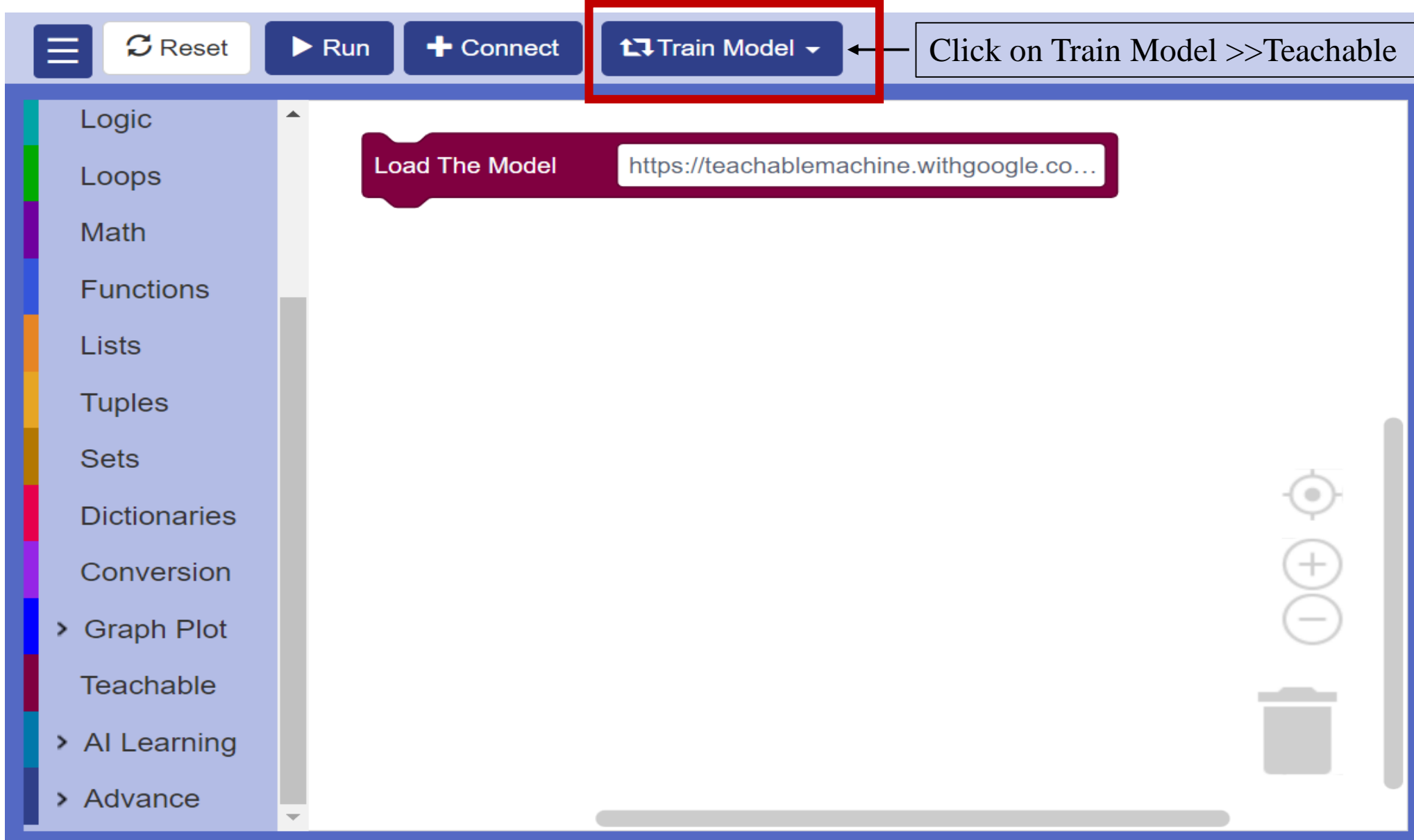
STEP 2: Select Load the Model



The screenshot displays the Teachable Machine web interface. The top navigation bar includes buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, **Teachable** (highlighted), AI Learning, and Advance. The main workspace contains a sequence of blocks: 'Load The Model' (highlighted with a red and yellow border), 'Load Image', 'predict image from webcam', 'predict audio', and 'show the webcam'. The 'Load The Model' block has a text input field containing the URL 'https://teachablemachine.withgoogle.co...'. On the right side of the workspace, there are icons for a target, zoom in (+), zoom out (-), and a trash can.

Activity: Find out the Person With Mask or Without Mask

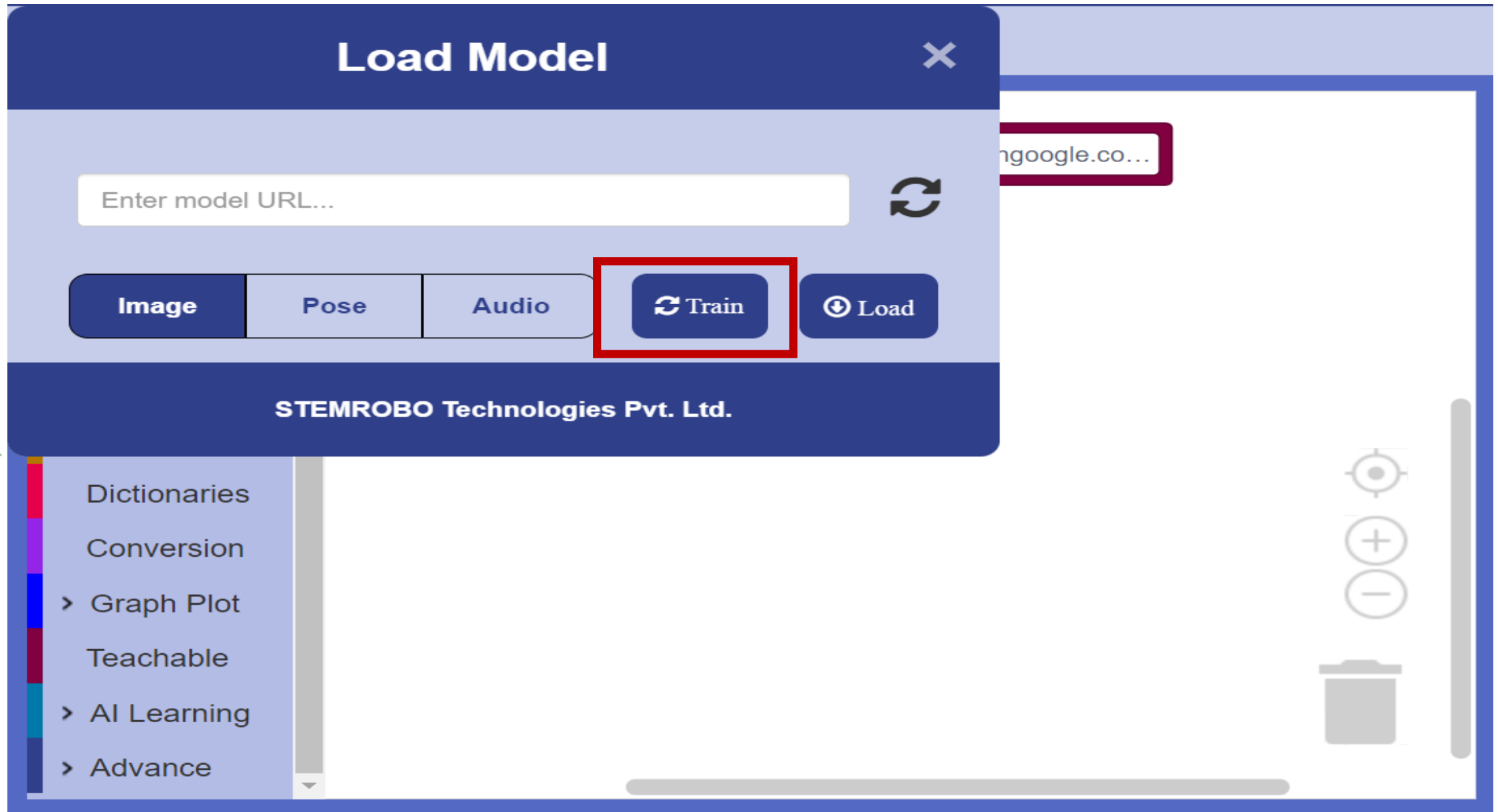
STEP 3: Now Click on Train Model and select Teachable



The screenshot displays the Teachable Machine web interface. At the top, a navigation bar contains buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. The 'Train Model' button is highlighted with a red rectangular box. A callout box with an arrow points to this button, containing the text 'Click on Train Model >>Teachable'. Below the navigation bar, a left sidebar lists various machine learning categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, Teachable, AI Learning, and Advance. The main workspace area shows a 'Load The Model' button and a text input field containing the URL 'https://teachablemachine.withgoogle.co...'. On the right side of the workspace, there are icons for a target, a plus sign, a minus sign, and a trash can.

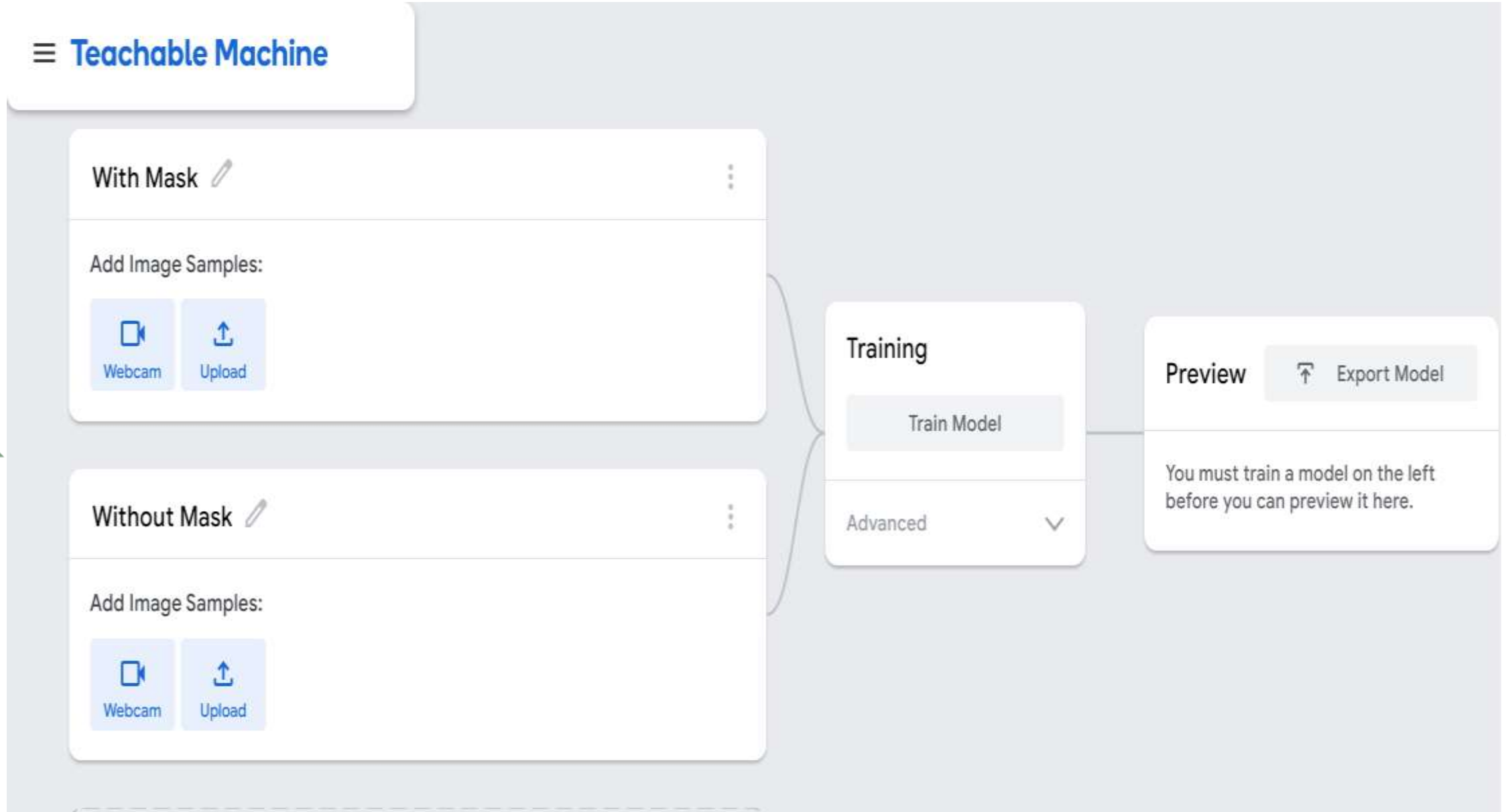
Activity: Find out the Person With Mask or Without Mask

STEP 4: Select Image >>Train -This will bring you to teachablemachine.withgoogle.com




Activity: Find out the Person With Mask or Without Mask

STEP 5: Edit class 1 name to With Mask.




Teachable Machine

With Mask 

Add Image Samples:

Webcam Upload


Without Mask 


Add Image Samples:

Webcam Upload

Training

Train Model

Advanced 


Preview  Export Model


You must train a model on the left before you can preview it here.


Activity: Find out the Person With Mask or Without Mask


STEP 6: Press Hold on Record & take 20 minium Image Samples.


≡ **Teachable Machine**

With Mask 


Webcam 

Switch Webcam 




Hold to Record 


20 Image Samples




Training

Train Model

Advanced 

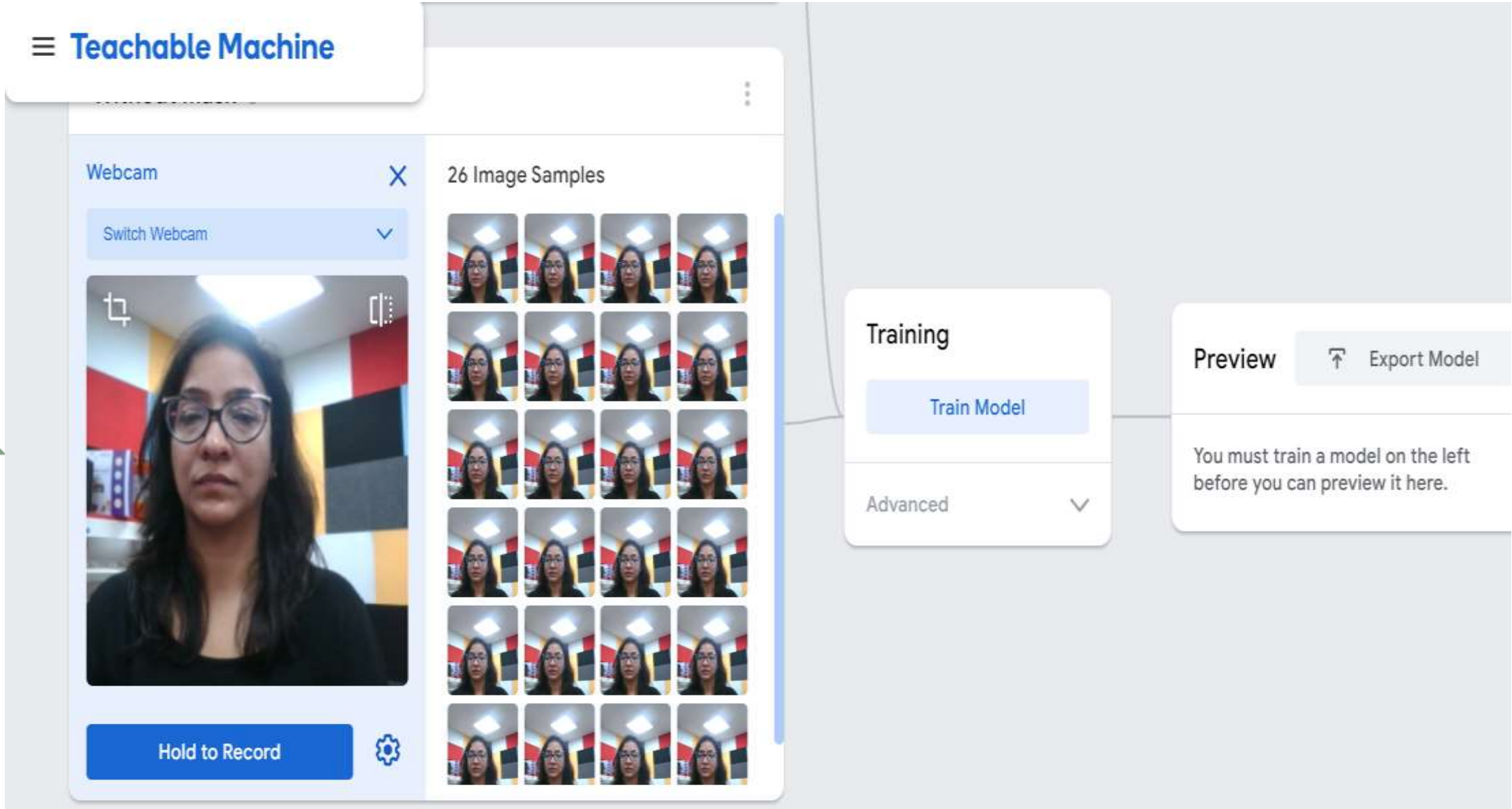
Preview  Export Model

You must train a model on the left before you can preview it here.

English  release-2-4-7 - 2.4.7#5b5b7

Activity: Find out the Person With Mask or Without Mask

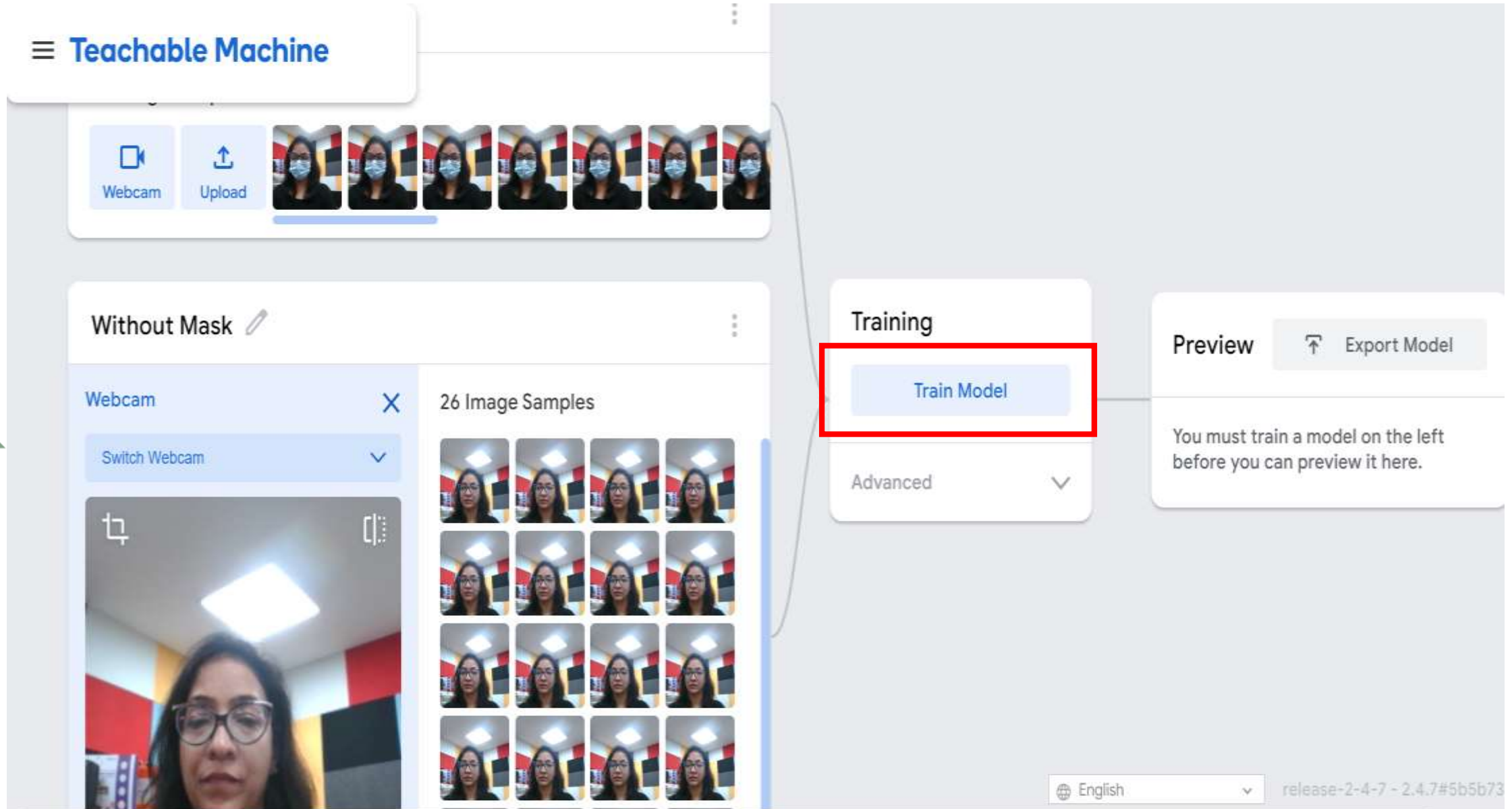
STEP 7: Press Hold on Record & take 20 minimum Samples for Without Mask



The screenshot displays the Teachable Machine web interface. On the left, a 'Webcam' panel shows a live video feed of a woman with glasses. Below the feed is a 'Hold to Record' button and a settings icon. Above the feed is a 'Switch Webcam' dropdown. To the right of the webcam panel is a grid titled '26 Image Samples' containing 26 small images of the same woman. Further right, there are two main control panels. The 'Training' panel includes a 'Train Model' button and an 'Advanced' dropdown menu. The 'Preview' panel includes an 'Export Model' button and a message: 'You must train a model on the left before you can preview it here.'

Activity: Find out the Person With Mask or Without Mask

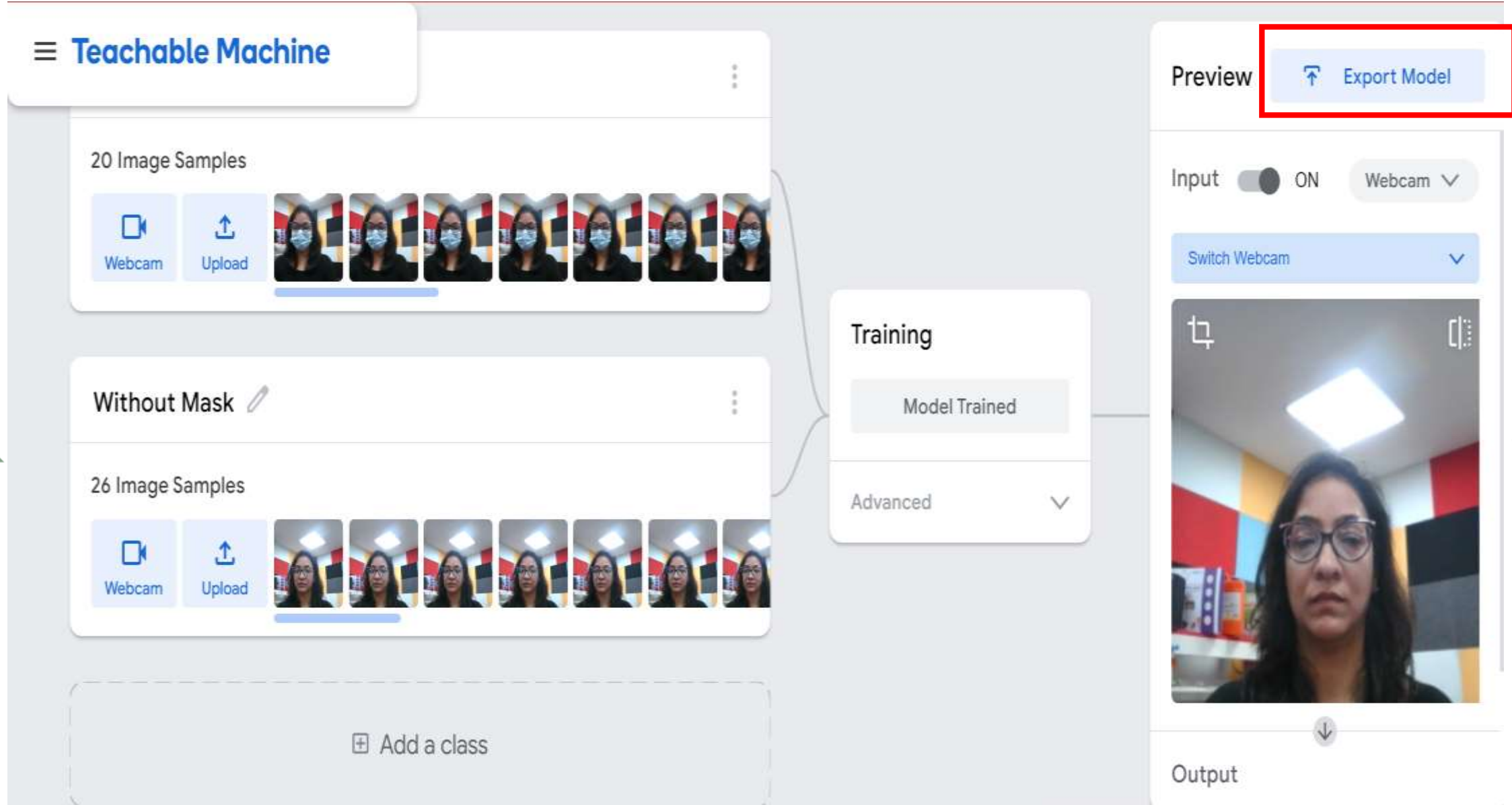
STEP 8: Click on Train Model



The screenshot displays the Teachable Machine web application interface. At the top left, the 'Teachable Machine' logo is visible. Below it, there are buttons for 'Webcam' and 'Upload', followed by a row of seven small image thumbnails showing a person wearing a face mask. The main section is titled 'Without Mask' and contains a 'Webcam' panel on the left with a 'Switch Webcam' button and a large video feed of a person without a mask. To the right of the video feed is a grid of '26 Image Samples' showing the same person without a mask. On the right side of the interface, there is a 'Training' panel with a 'Train Model' button highlighted by a red rectangular box. Below the 'Train Model' button is an 'Advanced' dropdown menu. To the right of the 'Training' panel is a 'Preview' panel with an 'Export Model' button and a message: 'You must train a model on the left before you can preview it here.' At the bottom right, there is a language selector set to 'English' and a version number 'release-2-4-7 - 2.4.7#5b5b73'.

Activity: Find out the Person With Mask or Without Mask

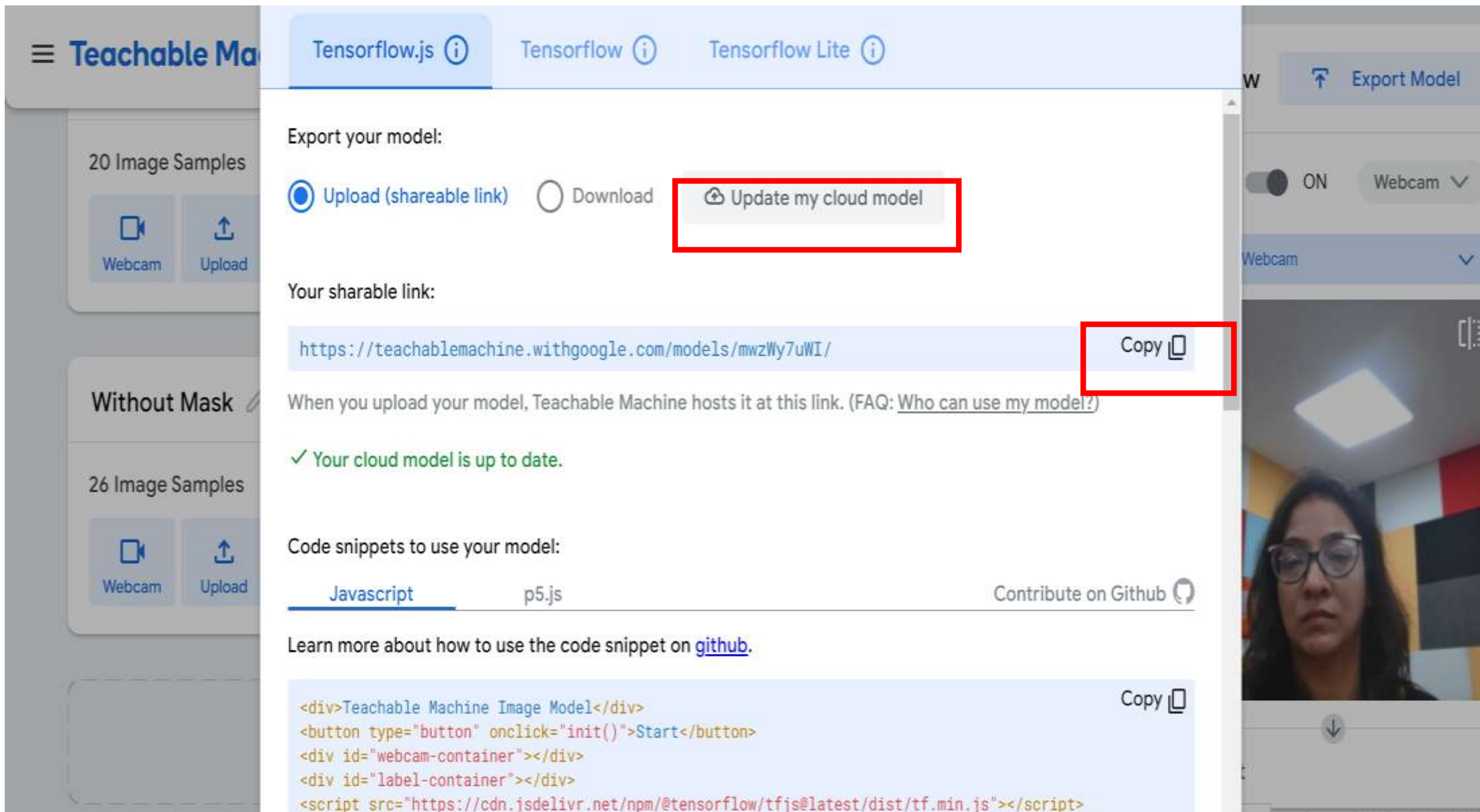
STEP 9: Click on Export Model.



The screenshot displays the Teachable Machine web interface. On the left, there are two class cards. The top card is titled '20 Image Samples' and shows a sequence of images of a person wearing a blue face mask. Below the images are 'Webcam' and 'Upload' buttons. The bottom card is titled 'Without Mask' with an edit icon and shows a sequence of images of the same person without a mask, also with 'Webcam' and 'Upload' buttons. In the center, a 'Training' panel shows 'Model Trained' and an 'Advanced' dropdown menu. On the right, a 'Preview' panel shows a live video feed of the person without a mask. Above the video feed, the 'Export Model' button is highlighted with a red rectangular box. Below the video feed is an 'Output' section with a downward arrow icon.

Activity: Find out the Person With Mask or Without Mask

STEP 10: Click on update my cloud model and then copy the link.



The screenshot displays the Teachable Machine web interface. At the top, there are tabs for 'Tensorflow.js', 'Tensorflow', and 'Tensorflow Lite'. The 'Tensorflow.js' tab is selected. Below the tabs, there are two sections for image samples: '20 Image Samples' and '26 Image Samples'. Each section has a 'Webcam' button and an 'Upload' button. The 'Without Mask' section is currently active. In the center, there is a section titled 'Export your model:' with three options: 'Upload (shareable link)' (selected), 'Download', and 'Update my cloud model' (highlighted with a red box). Below this, there is a section titled 'Your sharable link:' with a text input field containing the URL 'https://teachablemachine.withgoogle.com/models/mwzWy7uWI/'. A 'Copy' button (highlighted with a red box) is located to the right of the URL. Below the link, there is a message: 'When you upload your model, Teachable Machine hosts it at this link. (FAQ: [Who can use my model?](#))'. A green checkmark and the text 'Your cloud model is up to date.' are displayed. Below this, there is a section titled 'Code snippets to use your model:' with two tabs: 'Javascript' (selected) and 'p5.js'. A 'Contribute on Github' button is located to the right of the tabs. Below the code snippets, there is a link to 'Learn more about how to use the code snippet on [github](#).' At the bottom, there is a code snippet for the 'Javascript' tab, which is highlighted with a red box. A 'Copy' button is located to the right of the code snippet.

Teachable Machine

Tensorflow.js | Tensorflow | Tensorflow Lite

Export your model:

☒ Upload (shareable link) ☐ Download

Your sharable link:

<https://teachablemachine.withgoogle.com/models/mwzWy7uWI/>

When you upload your model, Teachable Machine hosts it at this link. (FAQ: [Who can use my model?](#))

✓ Your cloud model is up to date.

Code snippets to use your model:

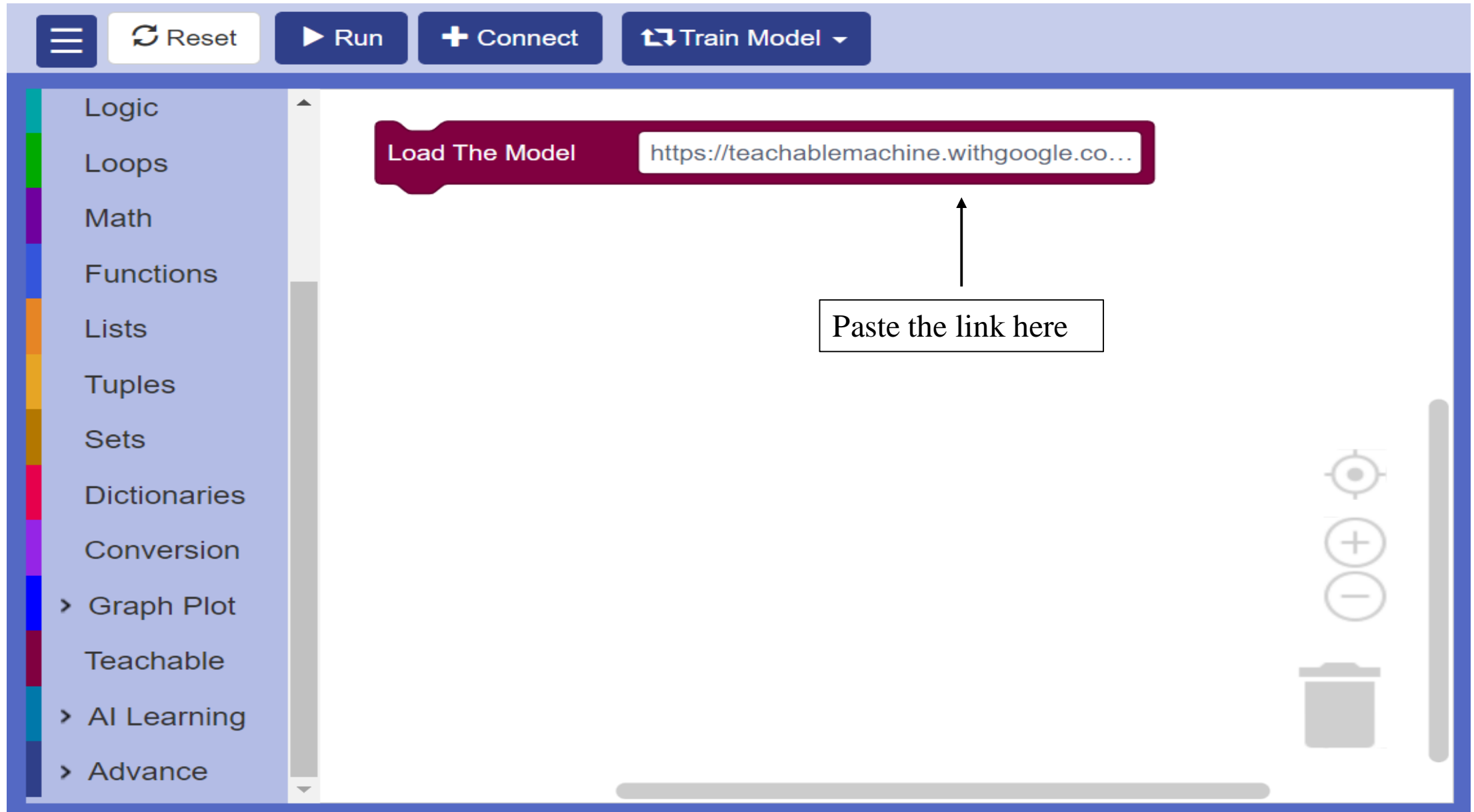
[Javascript](#) | [p5.js](#) [Contribute on Github](#)

Learn more about how to use the code snippet on [github](#).

```
<div>Teachable Machine Image Model</div>
<button type="button" onclick="init()">Start</button>
<div id="webcam-container"></div>
<div id="label-container"></div>
<script src="https://cdn.jsdelivr.net/npm/@tensorflow/tfjs@latest/dist/tf.min.js"></script>
```

Activity: Find out the Person With Mask or Without Mask

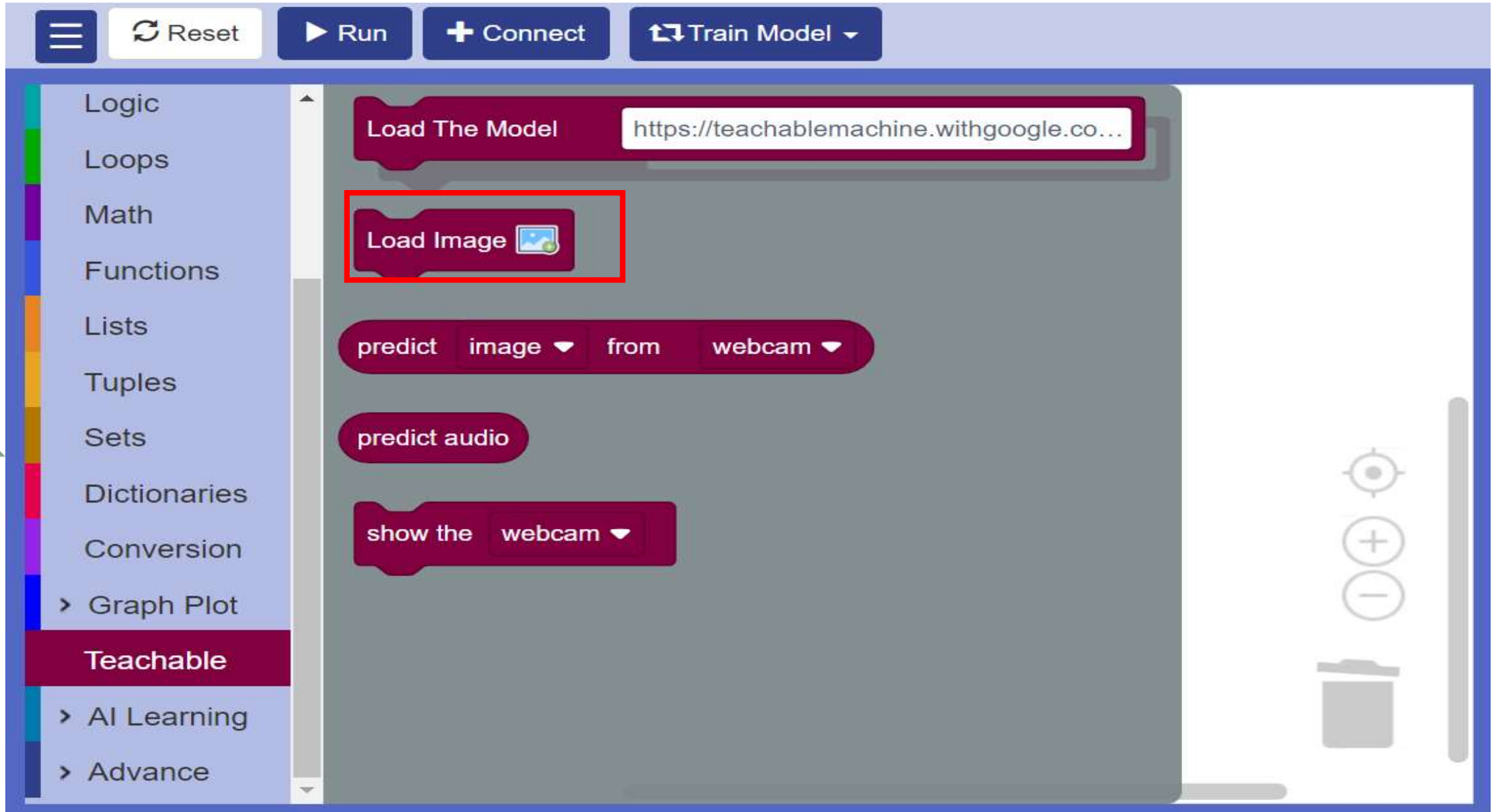
STEP 11: Paste the copied link here.



The screenshot shows the Teachable Machine web interface. At the top, there is a navigation bar with buttons: a menu icon, 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various machine learning categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, Teachable, AI Learning, and Advance. The main workspace is a light blue area where a 'Load The Model' block is present. This block is a dark purple rectangle with a white text input field containing the URL 'https://teachablemachine.withgoogle.co...'. Below the input field, a white box with the text 'Paste the link here' has an arrow pointing up to the input field. On the right side of the workspace, there are three circular icons (a target, a plus sign, and a minus sign) and a trash can icon at the bottom.

Activity: Find out the Person With Mask or Without Mask

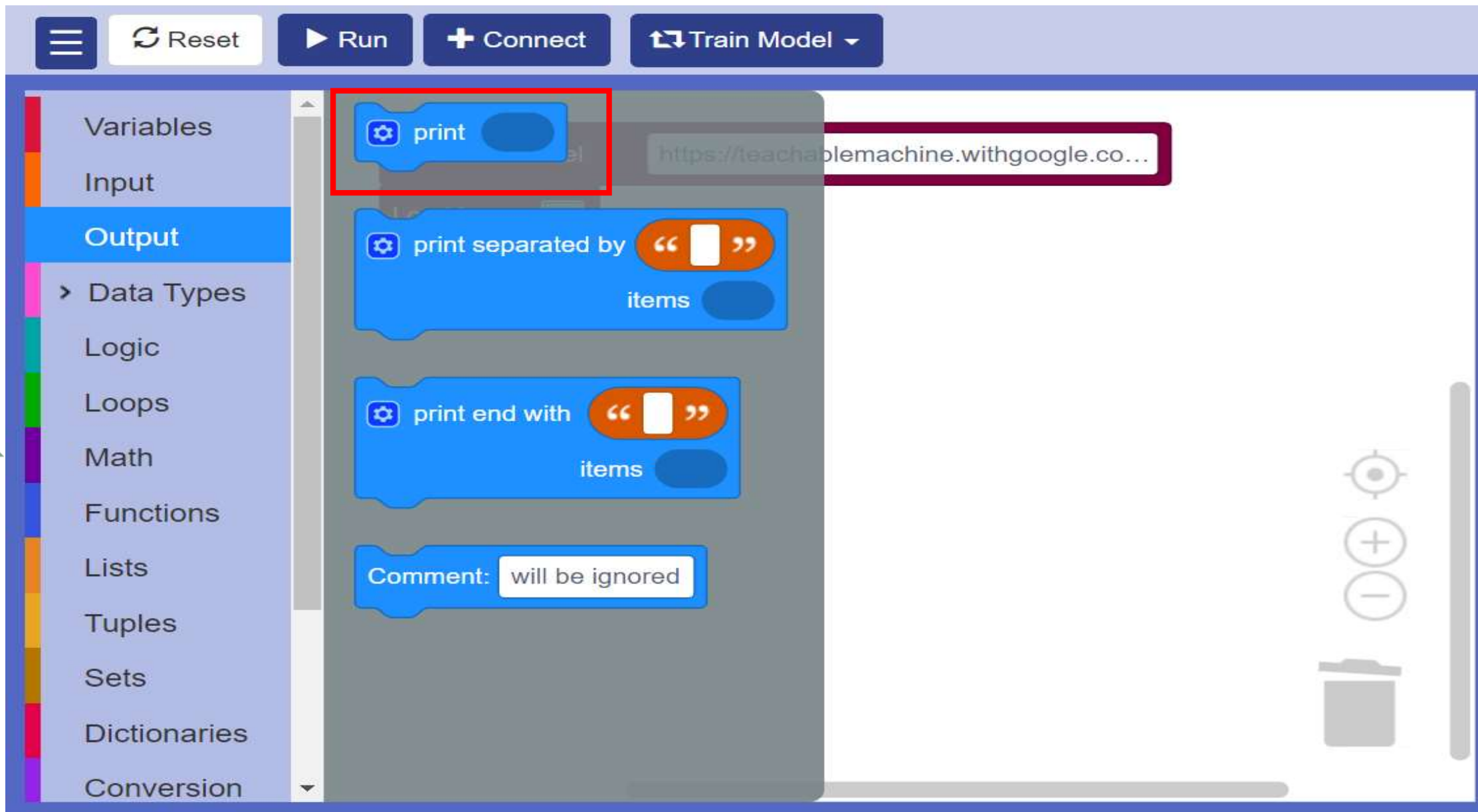
STEP 12: Select Load Image



The screenshot displays the Teachable Machine web interface. At the top, there is a navigation bar with buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, Teachable (highlighted in dark blue), AI Learning, and Advance. The main workspace contains several blocks: 'Load The Model' with a URL input field, 'Load Image' (highlighted with a red rectangle), 'predict image from webcam', 'predict audio', and 'show the webcam'. On the right side, there are icons for a target, zoom in (+), zoom out (-), and a trash can.

Activity: Find out the Person With Mask or Without Mask

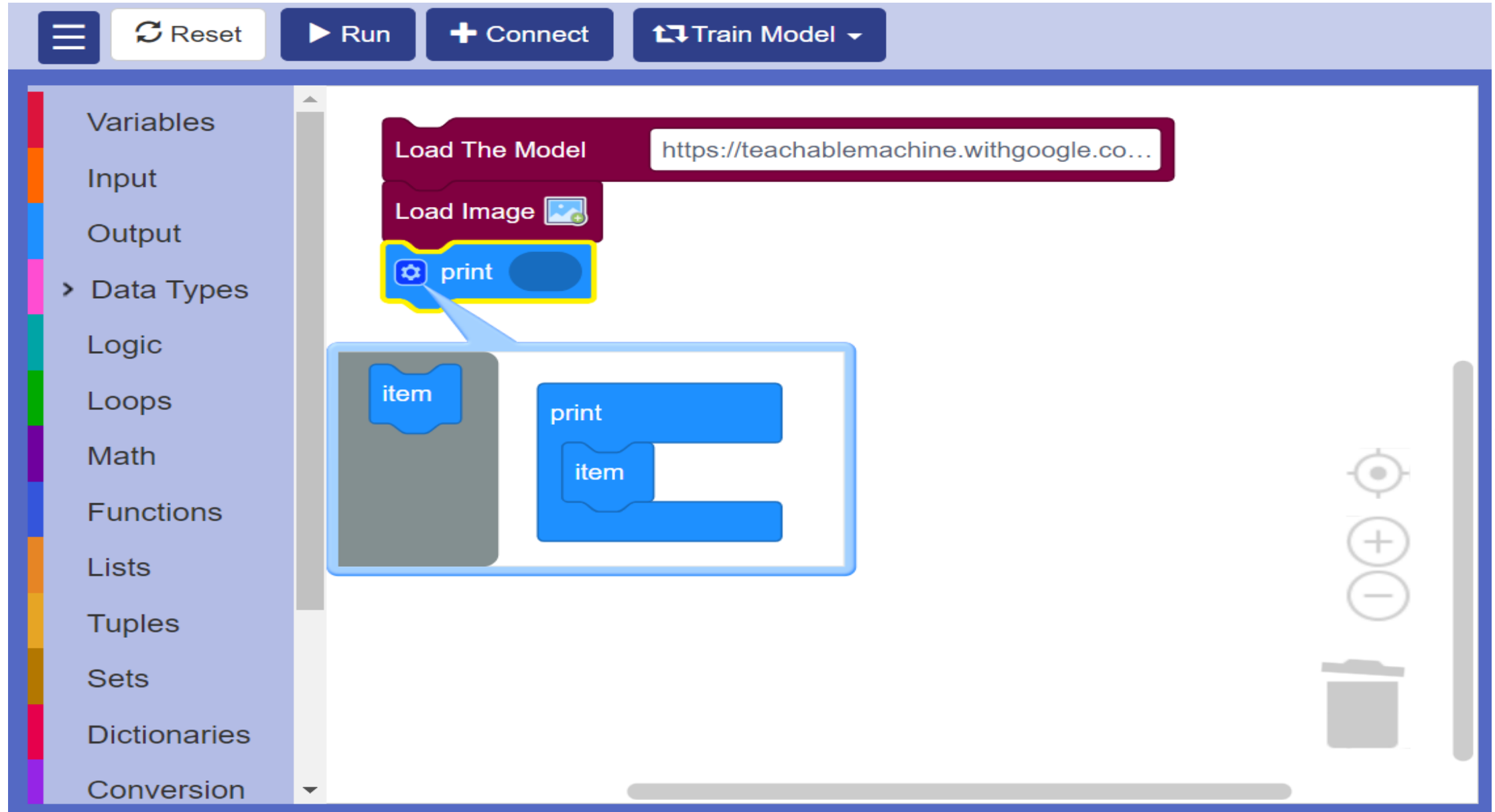
STEP 13: Select print block



The screenshot displays the Teachable Machine web interface. At the top, there are buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. The left sidebar shows a list of categories: Variables, Input, Output (selected), Data Types, Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, and Conversion. The main workspace contains several blocks: a 'print' block (highlighted with a red box), a 'print separated by' block, a 'print end with' block, and a 'Comment' block with the text 'will be ignored'. A URL bar at the top right shows 'https://teachablemachine.withgoogle.co...'. On the right side of the workspace, there are icons for a target, a plus sign, a minus sign, and a trash can.

Activity: Find out the Person With Mask or Without Mask

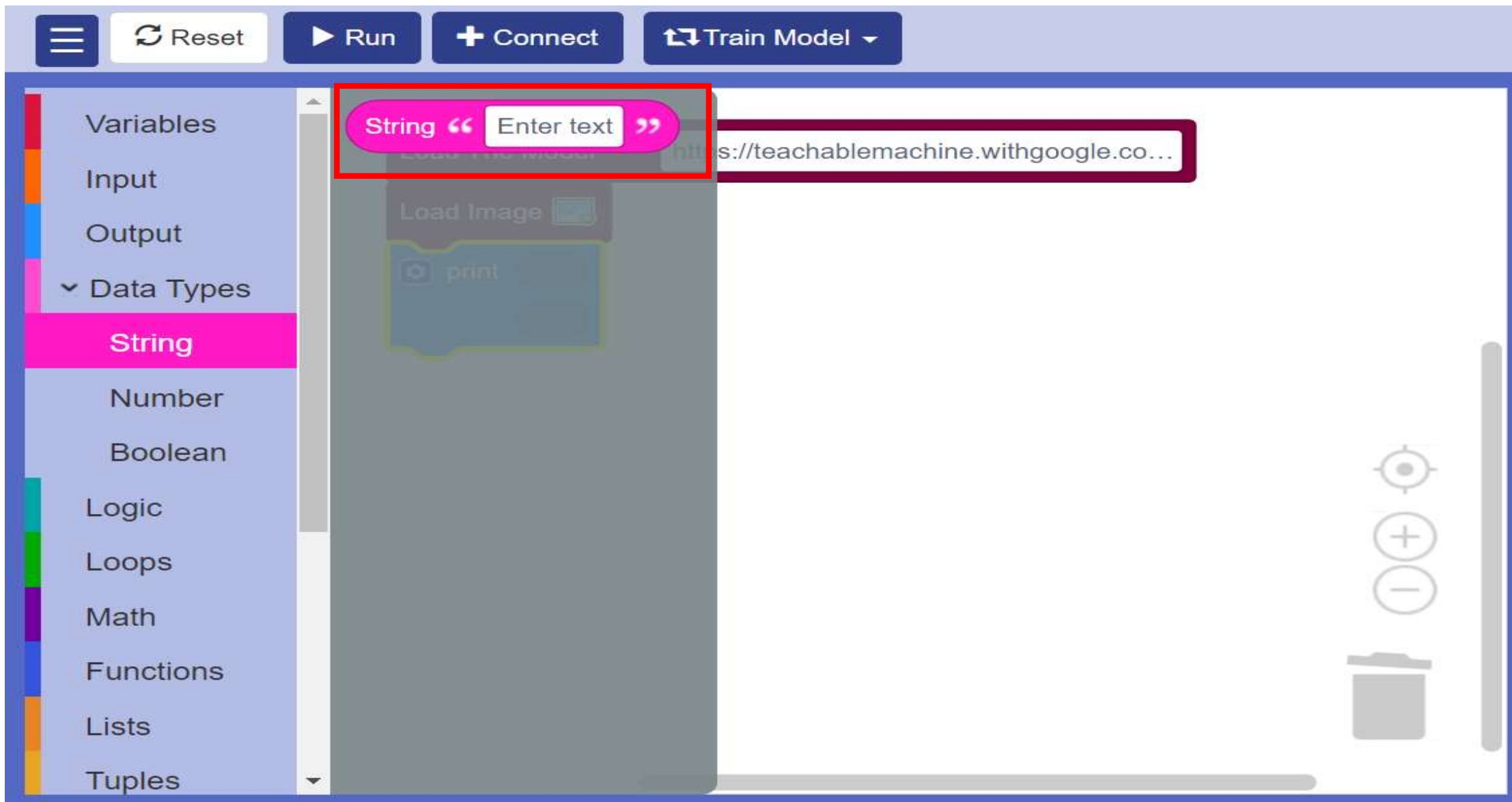
STEP 14: Add item to print block.



The screenshot displays the Teachable Machine web interface. At the top, there is a navigation bar with buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various data types: Variables, Input, Output, Data Types (expanded), Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, and Conversion. The main workspace shows a sequence of blocks: 'Load The Model' with a URL, 'Load Image', and a 'print' block. The 'print' block is highlighted with a yellow border, and a tooltip is open, showing a configuration window. This window contains an 'item' input field and a 'print' block with an 'item' input field. On the right side of the workspace, there are icons for a target, a plus sign, a minus sign, and a trash can.

Activity: Find out the Person With Mask or Without Mask

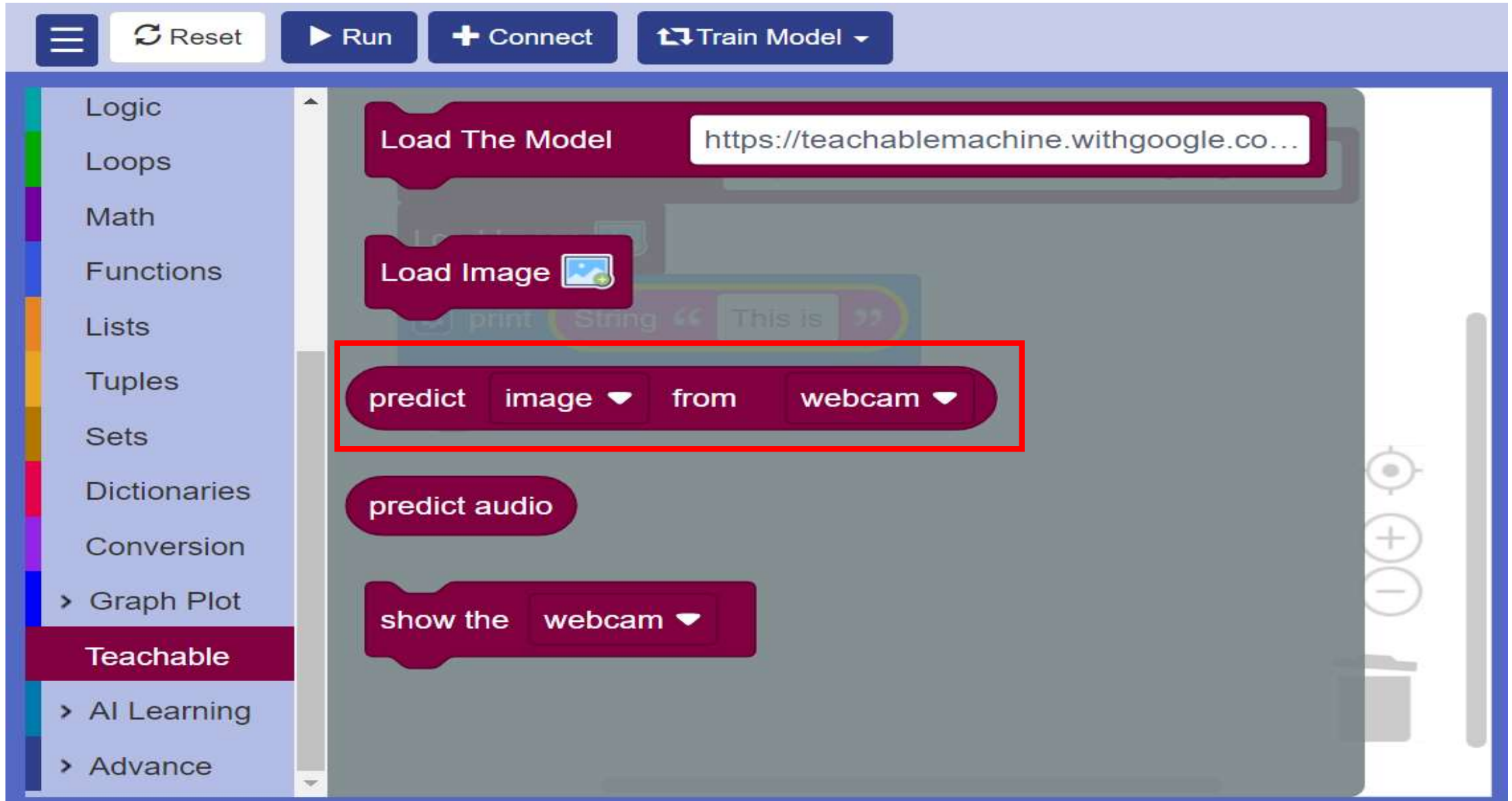
STEP 15: Select string block.



The screenshot displays the Teachable Machine web interface. At the top, there is a navigation bar with buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left side, a vertical menu lists various data types: Variables, Input, Output, Data Types (expanded), String (highlighted in pink), Number, Boolean, Logic, Loops, Math, Functions, Lists, and Tuples. In the center workspace, a 'String' block is highlighted with a red rectangle. This block is a pink rounded rectangle containing the text 'String' followed by a double quote, a white box with the text 'Enter text', and another double quote. Below the 'String' block, there is a 'Load Image' button and a 'print' block. On the right side of the workspace, there is a URL input field containing 'https://teachablemachine.withgoogle.co...'. At the bottom right, there are icons for a target, a plus sign, a minus sign, and a trash can.

Activity: Find out the Person With Mask or Without Mask

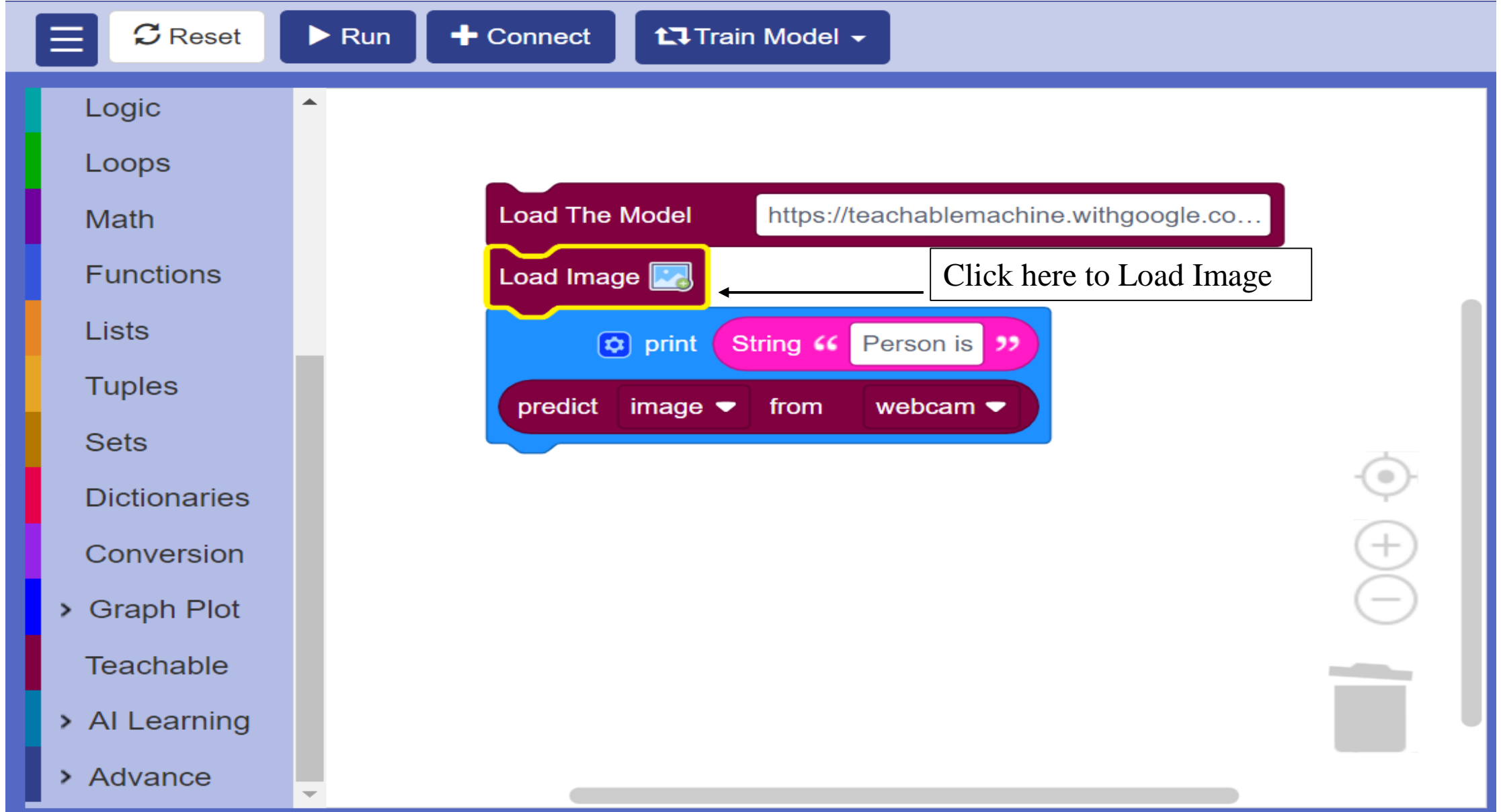
STEP 16: Select Predict image



The screenshot displays the Teachable Machine web interface. At the top, there are buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various machine learning categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, and 'Teachable' (which is highlighted). Under 'Teachable', there are sub-options for 'AI Learning' and 'Advance'. The main workspace shows a sequence of blocks: 'Load The Model' with a URL input field, 'Load Image', a 'print' block, and a 'predict image from webcam' block which is highlighted with a red rectangle. Below this, there are 'predict audio' and 'show the webcam' blocks. The interface also includes a trash icon and a zoom control on the right side.

Activity: Find out the Person With Mask or Without Mask

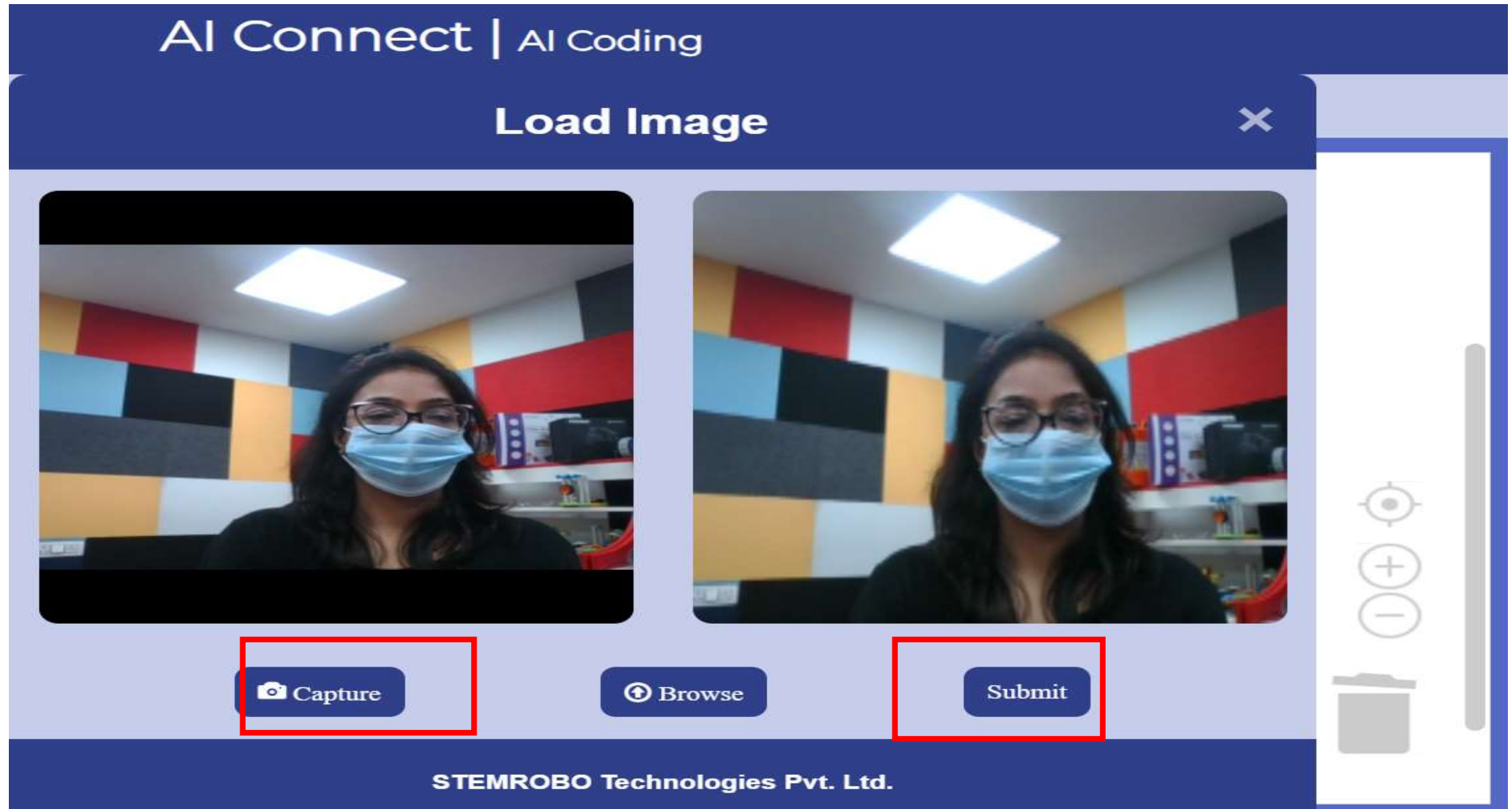
STEP 17: Click on + icon on Load Image.



The screenshot shows the Teachable Machine web interface. At the top, there is a navigation bar with buttons for 'Reset', 'Run', 'Connect', and 'Train Model'. On the left, a sidebar lists various categories: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, Teachable, AI Learning, and Advance. The main workspace contains a sequence of blocks: a 'Load The Model' block with a URL, a 'Load Image' block (highlighted with a yellow box), a 'print' block with a string 'Person is', and a 'predict' block set to 'image' from 'webcam'. A callout box with the text 'Click here to Load Image' has an arrow pointing to the '+' icon in the 'Load Image' block. On the right side of the workspace, there are icons for a target, a plus sign, a minus sign, and a trash can.

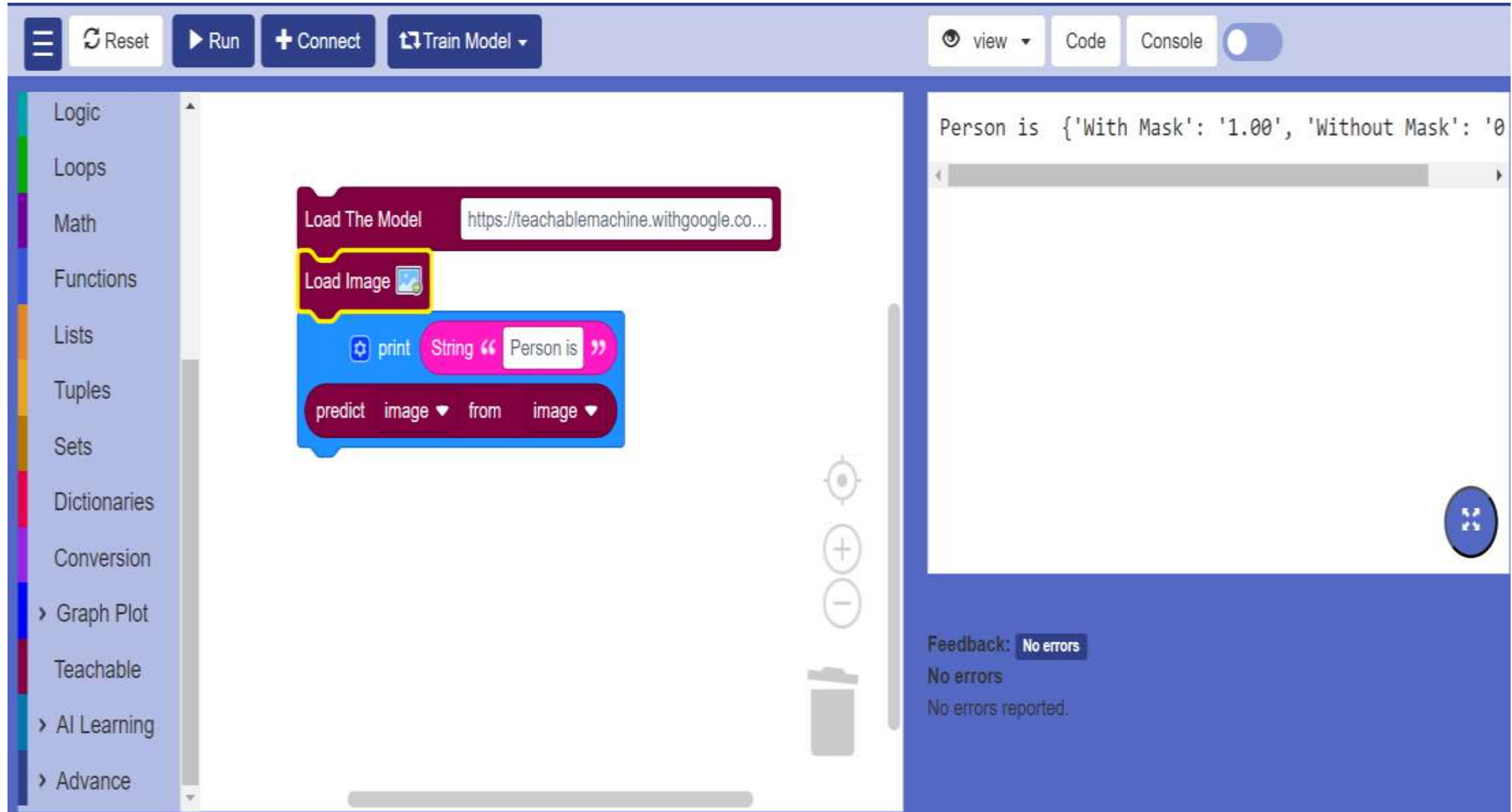
Activity: Find out the Person With Mask or Without Mask

STEP 18: Click on Capture and then Submit the Image.



Activity: Find out the Person With Mask or Without Mask

STEP 19: Click on 



The screenshot displays the Teachable Machine web interface. The top navigation bar includes buttons for 'Reset', 'Run', 'Connect', and 'Train Model', along with tabs for 'view', 'Code', and 'Console'. A left sidebar lists various data types: Logic, Loops, Math, Functions, Lists, Tuples, Sets, Dictionaries, Conversion, Graph Plot, Teachable, AI Learning, and Advance. The main workspace contains a workflow with four blocks: 'Load The Model' (URL: <https://teachablemachine.withgoogle.co...>), 'Load Image', 'print' (String: 'Person is'), and 'predict' (image from image). The 'Run' button is highlighted in yellow. The right panel shows the console output: 'Person is {'With Mask': '1.00', 'Without Mask': '0'}. Feedback: No errors. No errors reported.

Activity: Find out the Person With Mask or Without Mask

STEP 20: This is our Output ..

```
Person is {'With Mask': '1.00', 'Without Mask': '0.00'}
```

Feedback: **No errors**

No errors

No errors reported.



Thank you!!

