

- Code done this much in the previous class

In the last class regarding `ml5.js` we had added the below code in `main.js`

```
function take_snapshot()
{
  Webcam.snap(function(data_uri) {
    document.getElementById("result").innerHTML = '';
  });
}

console.log('ml5 version:', ml5.version);

classifier = ml5.imageClassifier('https://teachablemachine.withgoogle.com/models/5mxzZHkpx/model.json',modelLoaded);

function modelLoaded() {
  console.log('Model Loaded!');
}

function speak(){
  var synth = window.speechSynthesis;
  speak_data_1 = "The first prediction is " + prediction_1;
  speak_data_2 = "And the second prediction is " + prediction_2;
  var utterThis = new SpeechSynthesisUtterance(speak_data_1 + speak_data_2);
  utterThis.rate = 0.5;
  synth.speak(utterThis);
}
```

Confirming ml5.js is working

Importing modal

Triggering ml5.js to start

speak() function for doing text to speech

- Code for check() function

```
function modelLoaded() {
  console.log('Model Loaded!');
}

function check()
{
  img = document.getElementById('captured_image');
  classifier.classify(img, gotResult);
}
```

- Code for getResult() function

```

function getResult(error, results) {
  if (error) {
    console.error(error);
  } else {
    console.log(results);
    document.getElementById("result_emotion_name").innerHTML = results[0].label;
    document.getElementById("result_emotion_name2").innerHTML = results[1].label;
    prediction_1 = results[0].label;
    prediction_2 = results[1].label;
    speak();
    if(results[0].label == "happy")
    {
      document.getElementById("update_emoji").innerHTML = "😊";
    }
    if(results[0].label == "sad")
    {
      document.getElementById("update_emoji").innerHTML = "😔";
    }
    if(results[0].label == "angry")
    {
      document.getElementById("update_emoji").innerHTML = "😤";
    }

    if(results[1].label == "happy")
    {
      document.getElementById("update_emoji2").innerHTML = "😊";
    }
    if(results[1].label == "sad")
    {
      document.getElementById("update_emoji2").innerHTML = "😔";
    }
    if(results[1].label == "angry")
    {
      document.getElementById("update_emoji2").innerHTML = "😤";
    }
  }
}

```

Output -

```

function getResult(error, results) {
  if (error) {
    console.error(error);
  } else {
    console.log(results);
    document.getElementById("result_emotion_name").innerHTML = results[0].label;
    document.getElementById("result_emotion_name2").innerHTML = results[1].label;

```

Model Loaded: main.js:42

main.js:32

▼ (3) [{-}, {-}, {-}] ⓘ

- ▶ 0: {label: "sad", confidence: 0.462...
- ▶ 1: {label: "angry", confidence: 0.3...
- ▶ 2: {label: "happy", confidence: 0.2...

length: 3

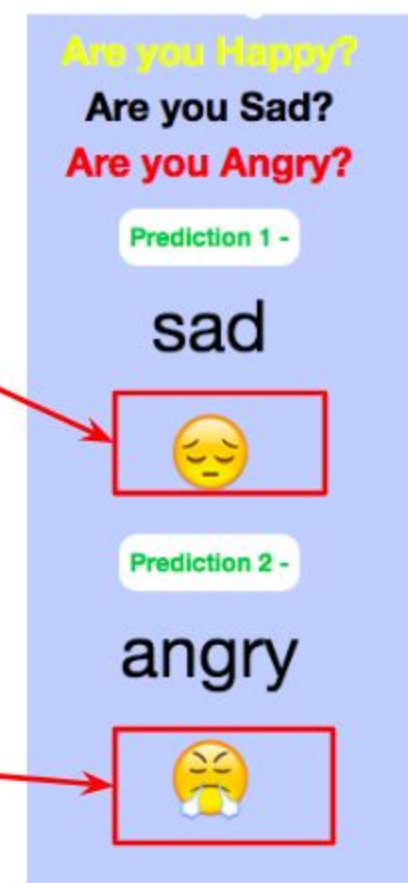
▶ __proto__: Array(0)


```
function getResult(error, results) {
  if (error) {
    console.error(error);
  } else {
    console.log(results);
    document.getElementById("result_emotion_name").innerHTML = results[0].label;
    document.getElementById("result_emotion_name2").innerHTML = results[1].label;
  }
}
```







```
if(results[0].label == "happy")
{
  document.getElementById("update_emoji").innerHTML = "&#128522;";
}
if(results[0].label == "sad")
{
  document.getElementById("update_emoji").innerHTML = "&#128532;";
}
if(results[0].label == "angry")
{
  document.getElementById("update_emoji").innerHTML = "&#128548;";
}

if(results[1].label == "happy")
{
  document.getElementById("update_emoji2").innerHTML = "&#128522;";
}
if(results[1].label == "sad")
{
  document.getElementById("update_emoji2").innerHTML = "&#128532;";
}
if(results[1].label == "angry")
{
  document.getElementById("update_emoji2").innerHTML = "&#128548;";
}
```



- Hexadecimal values for emojis

😊	
😀	
😔	
😢	

😡	
😤	

Motivation quotes -

- 1. Don't be sad and don't give up on your dreams. Dreams will come true one day. There's no person as beautiful as a person who dreams"
- 2. "Don't be sad! Because God sends hope in the most desperate moments. Don't forget, the heaviest rain comes out of the darkest clouds."
- 3. "Don't be sad about the goodbyes! Because in many farewells, better unions are hidden!"
- 4. Good, better, best. Never let it rest. 'Til your good is better and your better is best.