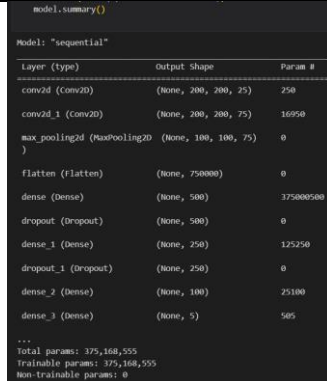
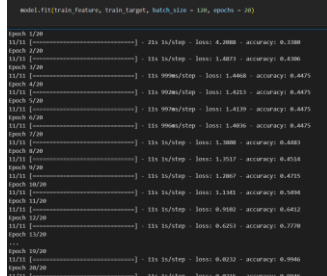
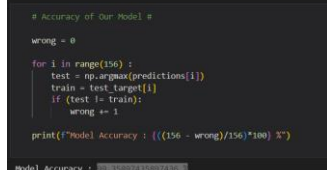


## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID592077
Project Name	Project - alzheimer disease prediction
Maximum Marks	10 Marks

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-here is an summary of given model	 <pre> model.summary()  Model: "sequential" Layer (type)                Output Shape              Param # ----- conv2d (Conv2D)              (None, 200, 200, 25)      250 conv2d_1 (Conv2D)            (None, 200, 200, 75)      16950 max_pooling2d (MaxPooling2D) (None, 100, 100, 75)      0 flatten (Flatten)            (None, 750000)            0 dense (Dense)                 (None, 500)               375000500 dropout (Dropout)            (None, 500)               0 dense_1 (Dense)               (None, 250)               125250 dropout_1 (Dropout)          (None, 250)               0 dense_2 (Dense)               (None, 100)               25100 dense_3 (Dense)               (None, 5)                 505 ... Total params: 375,168,555 Trainable params: 375,168,555 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - 0.9946  Validation Accuracy -0.0215	 <pre> model.fit(train_features, train_target, batch_size = 128, epochs = 20)  Epoch 1/20: 21s 1s/step - loss: 4.2888 - accuracy: 0.0000 Epoch 2/20: 11s 1s/step - loss: 1.8873 - accuracy: 0.0000 Epoch 3/20: 11s 99ms/step - loss: 1.4882 - accuracy: 0.0075 Epoch 4/20: 11s 99ms/step - loss: 1.4023 - accuracy: 0.0075 Epoch 5/20: 11s 99ms/step - loss: 1.4039 - accuracy: 0.0075 Epoch 6/20: 11s 99ms/step - loss: 1.4006 - accuracy: 0.0075 Epoch 7/20: 11s 1s/step - loss: 1.3888 - accuracy: 0.0083 Epoch 8/20: 11s 1s/step - loss: 1.3517 - accuracy: 0.0124 Epoch 9/20: 11s 1s/step - loss: 1.2887 - accuracy: 0.0125 Epoch 10/20: 11s 1s/step - loss: 1.1381 - accuracy: 0.1008 Epoch 11/20: 11s 1s/step - loss: 0.9582 - accuracy: 0.0012 Epoch 12/20: 11s 1s/step - loss: 0.8253 - accuracy: 0.7778 Epoch 13/20: 11s 1s/step - loss: 0.8232 - accuracy: 0.9946 Epoch 14/20: 11s 1s/step - loss: 0.8225 - accuracy: 0.9946 Epoch 15/20: 11s 1s/step - loss: 0.8225 - accuracy: 0.9946 </pre>
3.	Confidence Score (Only Yolo Projects)	Model accuracy- 99.35897435897436 %	 <pre> # Accuracy of Our Model wrong = 0  for i in range(156):     test = np.argmax(predictions[i])     train = test_target[i]     if (test != train):         wrong += 1  print("Model Accuracy : (((156 - wrong)/156)*100) %")  Model Accuracy : 99.35897435897436 </pre>