ICP-6 REPORT

```
from google.colab import drive
drive.mount() /content/gdrive; to attempt to forcibly remount, call drive.mount("/content/gdrive", force_remount=True).

[26] path_to_csv = '/content/gdrive/My Drive/diabetes(1).csv'

New Section

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```
Epoch 82/100
22/22 [============== ] - 0s 1ms/step - loss: 0.1627 - acc: 0.7627
Epoch 83/100
22/22 [======] - 0s 2ms/step - loss: 0.1557 - acc: 0.7728
Epoch 84/100
22/22 [=====
          ==================== ] - 0s 2ms/step - loss: 0.1581 - acc: 0.7583
Epoch 85/100
22/22 [=====
           ============== ] - 0s 1ms/step - loss: 0.1591 - acc: 0.7786
Epoch 86/100
22/22 [======] - 0s 1ms/step - loss: 0.1547 - acc: 0.7728
Epoch 87/100
22/22 [=======] - 0s 1ms/step - loss: 0.1560 - acc: 0.7786
Epoch 88/100
22/22 [=========] - 0s 1ms/step - loss: 0.1594 - acc: 0.7757
Epoch 89/100
22/22 [=======] - 0s 2ms/step - loss: 0.1534 - acc: 0.7742
Epoch 90/100
22/22 [======] - 0s 1ms/step - loss: 0.1569 - acc: 0.7742
Epoch 91/100
22/22 [=======] - 0s 1ms/step - loss: 0.1571 - acc: 0.7757
Epoch 92/100
Epoch 93/100
22/22 [======] - 0s 1ms/step - loss: 0.1598 - acc: 0.7800
Epoch 94/100
22/22 [========] - 0s 1ms/step - loss: 0.1573 - acc: 0.7786
Epoch 95/100
22/22 [========] - 0s 2ms/step - loss: 0.1532 - acc: 0.7728
Epoch 96/100
Epoch 97/100
22/22 [=======] - 0s 2ms/step - loss: 0.1548 - acc: 0.7713
Epoch 98/100
22/22 [======
           Epoch 99/100
22/22 [======
             =========== ] - 0s 1ms/step - loss: 0.1529 - acc: 0.7757
Epoch 100/100
22/22 [==========] - 0s 1ms/step - loss: 0.1559 - acc: 0.7844
Model: "sequential_248"
Layer (type)
                   Output Shape
                                      Param #
dense_1921 (Dense)
                   (None, 16)
                                      144
dense 1922 (Dense)
                    (None, 8)
                                      136
dense 1923 (Dense)
                    (None, 64)
                                      576
dense 1924 (Dense)
                    (None, 1)
                                      65
______
Total params: 921 (3.60 KB)
Trainable params: 921 (3.60 KB)
Non-trainable params: 0 (0.00 Byte)
None
```

[0.17454542219638824, 0.8051947951316833]

SECOND CODE:

```
plt.imshow(test_images[0], cmap='gray')
plt.show()

# Predicting the class
test_image = test_data[0].reshape(1, dimData)
predicted_class = np.argmax(model.predict(test_image), axis=-1)
print(f"Predicted Class: {predicted_class[0]}, Actual Class: {test_labels[0]}")
```



GITHUB REPO LINK:- https://github.com/sxk7912/Bigdata

YOUTUBE LINK:- https://youtu.be/K6fbQ2NzttQ