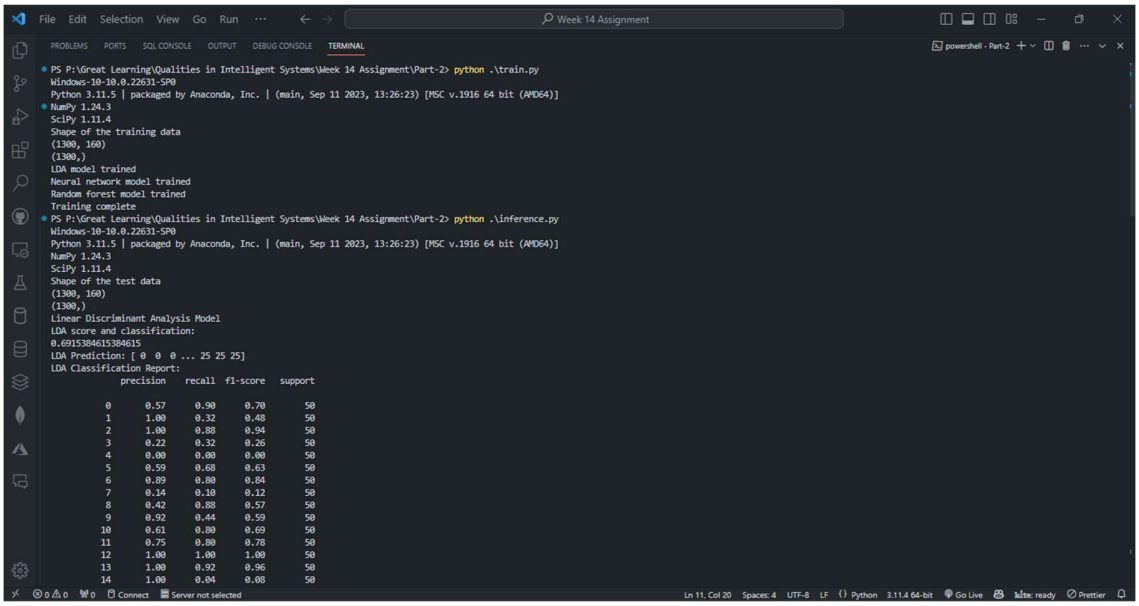
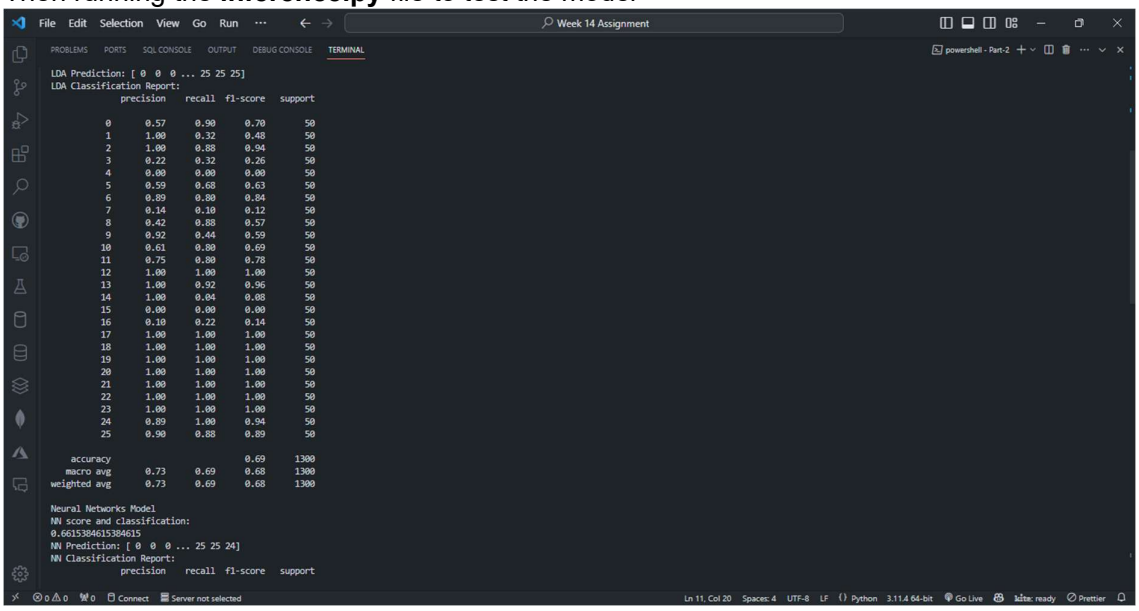
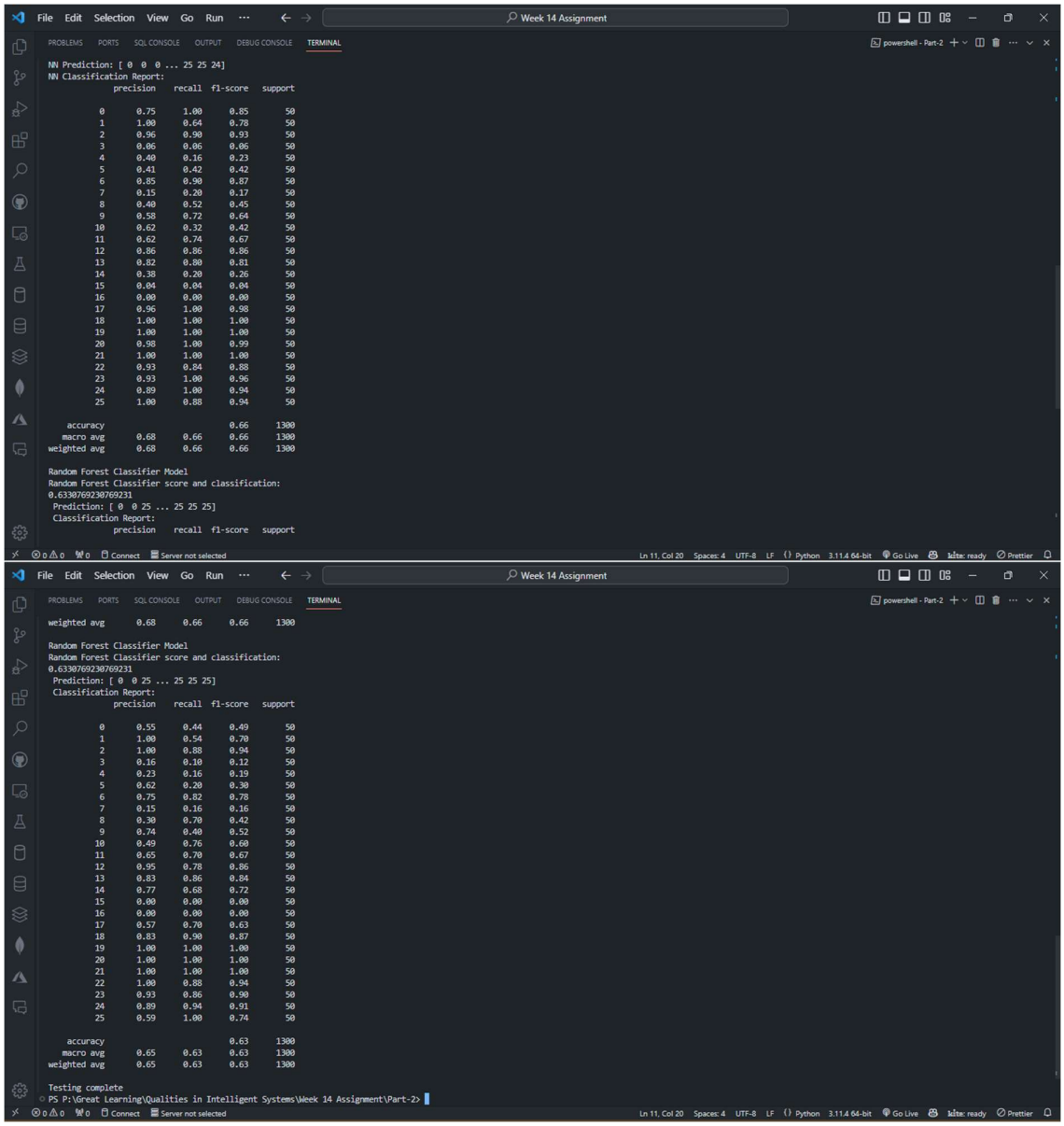
1. Starting with the **train.py** file to train the model



2. Then running the **inference.py** file to test the model

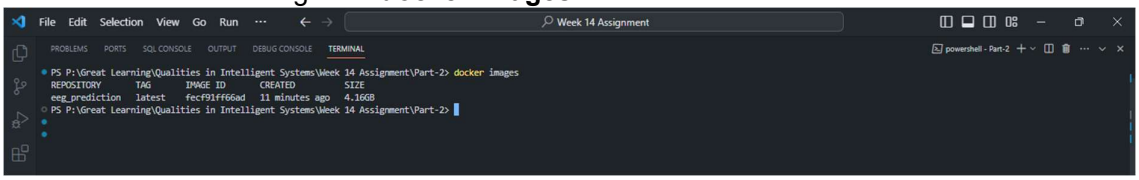



File Edit Selection View Go Run ···
Week 14 Assignment
PROBLEMS PORTS SQL CONSOLE OUTPUT DEBUG CONSOLE TERMINAL
powershell - Part-2
NN Prediction: [0 0 0 ... 25 25 24]
NN Classification Report:
precision recall f1-score support
0 0.75 1.00 0.85 50
1 1.00 0.64 0.78 50
2 0.96 0.90 0.93 50
3 0.06 0.06 0.06 50
4 0.40 0.16 0.23 50
5 0.41 0.42 0.42 50
6 0.85 0.90 0.87 50
7 0.15 0.20 0.17 50
8 0.40 0.52 0.45 50
9 0.58 0.72 0.64 50
10 0.62 0.32 0.42 50
11 0.62 0.74 0.67 50
12 0.86 0.86 0.86 50
13 0.82 0.80 0.81 50
14 0.38 0.20 0.26 50
15 0.04 0.04 0.04 50
16 0.00 0.00 0.00 50
17 0.96 1.00 0.98 50
18 1.00 1.00 1.00 50
19 1.00 1.00 1.00 50
20 0.98 1.00 0.99 50
21 1.00 1.00 1.00 50
22 0.93 0.84 0.88 50
23 0.93 1.00 0.96 50
24 0.89 1.00 0.94 50
25 1.00 0.88 0.94 50
accuracy 0.66 1300
macro avg 0.68 0.66 0.66 1300
weighted avg 0.68 0.66 0.66 1300
Random Forest Classifier Model
Random Forest Classifier score and classification:
0.6330769230769231
Prediction: [0 0 25 ... 25 25 25]
Classification Report:
precision recall f1-score support
Connect
Server not selected
Ln 11, Col 20 Spaces: 4 UTF-8 LF Python 3.11.4 64-bit
Go Live
Ln: ready
Prettier

File Edit Selection View Go Run ···
Week 14 Assignment
PROBLEMS PORTS SQL CONSOLE OUTPUT DEBUG CONSOLE TERMINAL
powershell - Part-2
weighted avg 0.68 0.66 0.66 1300
Random Forest Classifier Model
Random Forest Classifier score and classification:
0.6330769230769231
Prediction: [0 0 25 ... 25 25 25]
Classification Report:
precision recall f1-score support
0 0.55 0.44 0.49 50
1 1.00 0.54 0.70 50
2 1.00 0.88 0.94 50
3 0.16 0.10 0.12 50
4 0.23 0.16 0.19 50
5 0.62 0.20 0.30 50
6 0.75 0.82 0.78 50
7 0.15 0.16 0.16 50
8 0.30 0.70 0.42 50
9 0.74 0.40 0.52 50
10 0.49 0.76 0.60 50
11 0.65 0.70 0.67 50
12 0.95 0.78 0.86 50
13 0.83 0.86 0.84 50
14 0.77 0.68 0.72 50
15 0.00 0.00 0.00 50
16 0.00 0.00 0.00 50
17 0.57 0.70 0.63 50
18 0.83 0.90 0.87 50
19 1.00 1.00 1.00 50
20 1.00 1.00 1.00 50
21 1.00 1.00 1.00 50
22 1.00 0.88 0.94 50
23 0.93 0.86 0.90 50
24 0.89 0.94 0.91 50
25 0.59 1.00 0.74 50
accuracy 0.63 1300
macro avg 0.65 0.63 0.63 1300
weighted avg 0.65 0.63 0.63 1300
Testing complete
PS P:\Great Learning\Qualities in Intelligent Systems\Week 14 Assignment\Part-2>
Connect
Server not selected
Ln 11, Col 20 Spaces: 4 UTF-8 LF Python 3.11.4 64-bit
Go Live
Ln: ready
Prettier

3. Building the Docker image with name **eeg_prediction**

4. To view the Docker Image run **docker images**



5. Tagging the docker image and then pushing my docker image to my dockerhub account using the command
docker tag eeg_prediction prithunagar1234/eeg_prediction
docker push prithunagar1234/eeg_prediction:latest