**Task 2.1**

Output:

Number of nearest neighbours: 1

Number of test samples: 3974

User time taken in seconds: 24.49

Accuracy: 0.9643

Number of wrongly classified test samples: 142

Number of nearest neighbours: 3

Number of test samples: 3974

User time taken in seconds: 27.28

Accuracy: 0.9663

Number of wrongly classified test samples: 134

Number of nearest neighbours: 5

Number of test samples: 3974

User time taken in seconds: 25.94

Accuracy: 0.9645

Number of wrongly classified test samples: 141

Number of nearest neighbours: 10

Number of test samples: 3974

User time taken in seconds: 28.27

Accuracy: 0.9575

Number of wrongly classified test samples: 169

Number of nearest neighbours: 20

Number of test samples: 3974

User time taken in seconds: 24.45

Accuracy: 0.9512

Number of wrongly classified test samples: 194