**Assignment – 5**

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I have added all the code and commented the tasks as a heading in the code which are given to that specific question.

**Question – 1:**

Adding the screenshots of the code and output for Question -1

Code:

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Output:

Graphical user interface, text

Description automatically generated

Graphical user interface, text

Description automatically generated

**Question – 2:**

Adding the screenshots of the code and output for Question -2

Code:

Text

Description automatically generated

Output:

A screenshot of a computer

Description automatically generated with medium confidence

**Question – 3:**

Adding the screenshots of the code and output for Question -3

Code:

Text

Description automatically generated

Output:

Chart, scatter chart

Description automatically generated

I have explained everything in the video and used comments in the code for understanding and I have attached the screenshots of code and output. In the video, I haven't executed the code you can see the code and output screenshots in the word document. I have added answer for question 4 in 3rd question code and I have explained regarding the 4th question in the video also.

In GitHub Machine Learning repository, we have an Assignment 5 folder where I have uploaded code, screenshots, word document. Uploaded code of all questions in one single file main.py and separate files for each question named as question1.py, question2.py and question3.py. The following is the link of the GitHub repository

**GitHub link:** <https://github.com/ChethanKacham/MachineLearning.git>

**Video link:** <https://youtu.be/486QX6aDhaM>