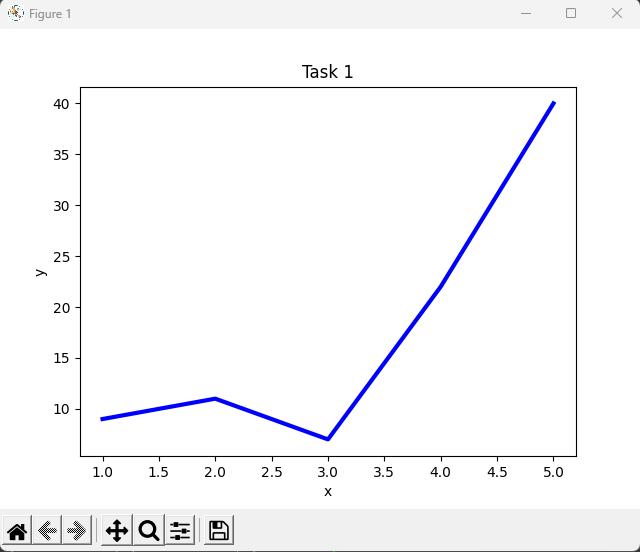
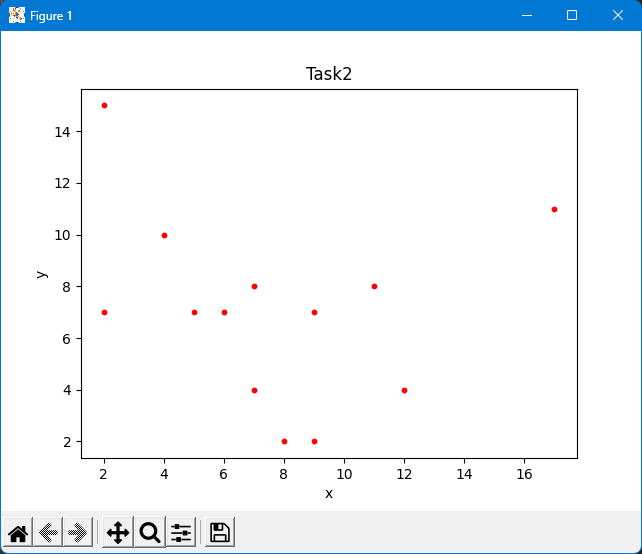
1. Create a simple line plot using matplotlib with the following data:
   1. X = [1,2,3,4,5]
   2. Y = [9,11,7,22,40]
2. Create a scatter plot to visualize the data below:
   1. X = [5, 7, 8, 7, 2, 17, 2, 9, 4, 11, 12, 9, 6]
   2. Y = [7, 8, 2, 4, 7, 11, 15, 7, 10, 8, 4, 2, 7]
3. Create a bar char to visualize the data below:
   1. X = [‘Apple’, ’Oranges’, ’Watermelon’, ‘Pear’]
   2. Y = [10,22,1,5]
4. Load the [Bank and Credit Card Complaints](https://www.kaggle.com/datasets/mexwell/bank-and-credit-card-complaints) dataset and create a data visualization with Matplotlib based on your findings in the dataset. Any type of chart or graph is acceptable. Include relevant labels, titles, and annotations to make the visualization clear and informative.
5. Choose or generate a dataset of your own and generate visualizations with Matplotlib. Any type of chart or graph is acceptable. Include relevant labels, titles, and annotations to make the visualization clear and informative.

# Answer

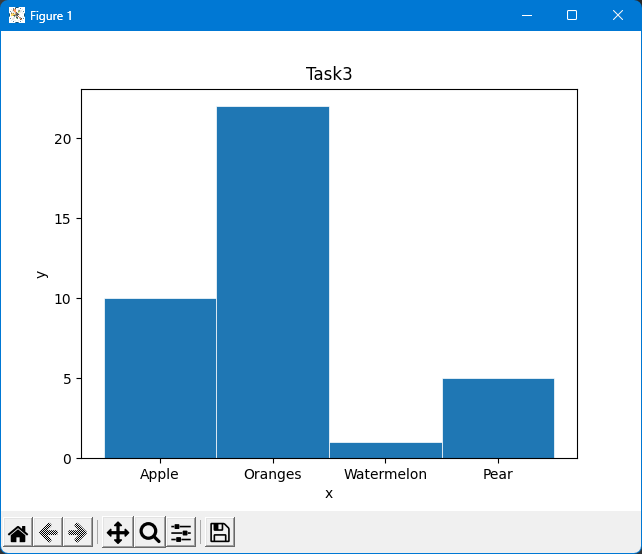
Q1.



Q2.

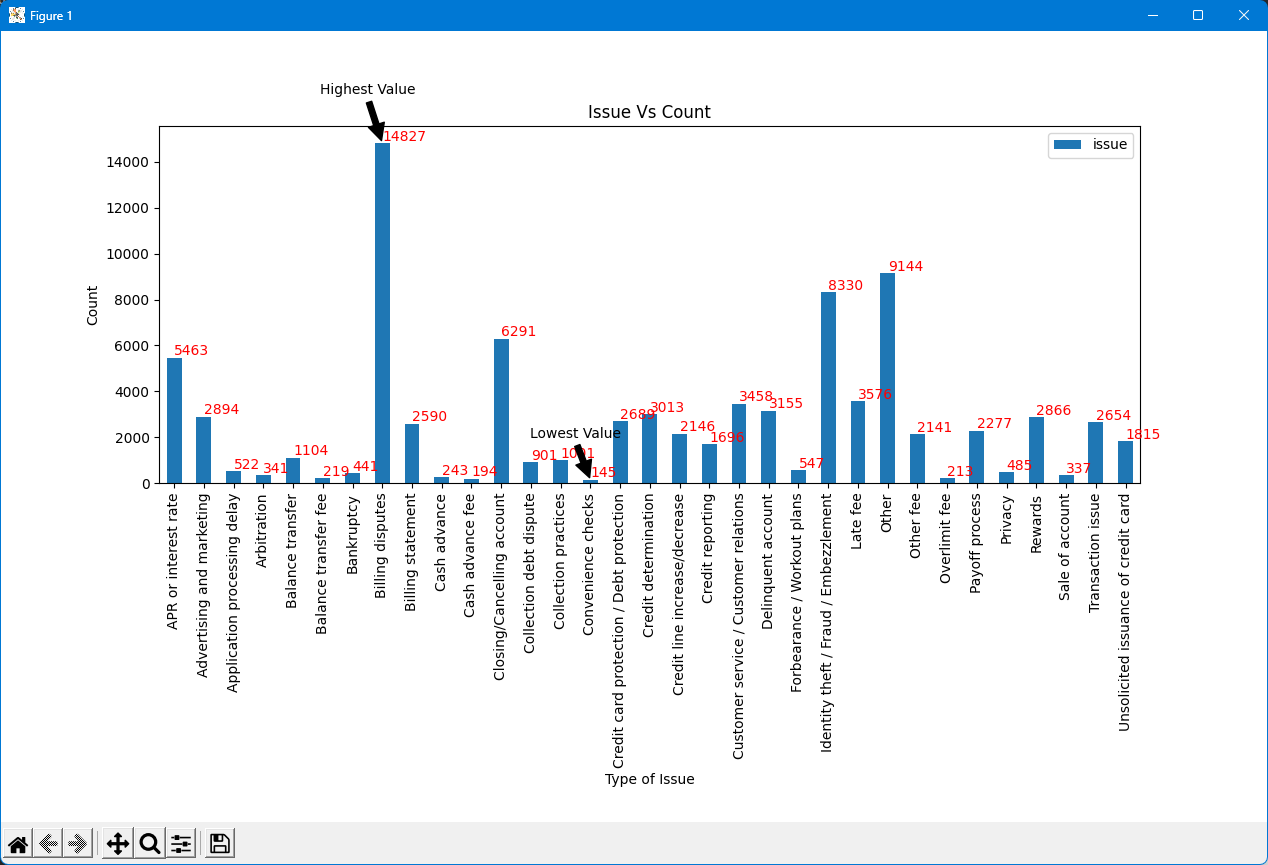


Q3.

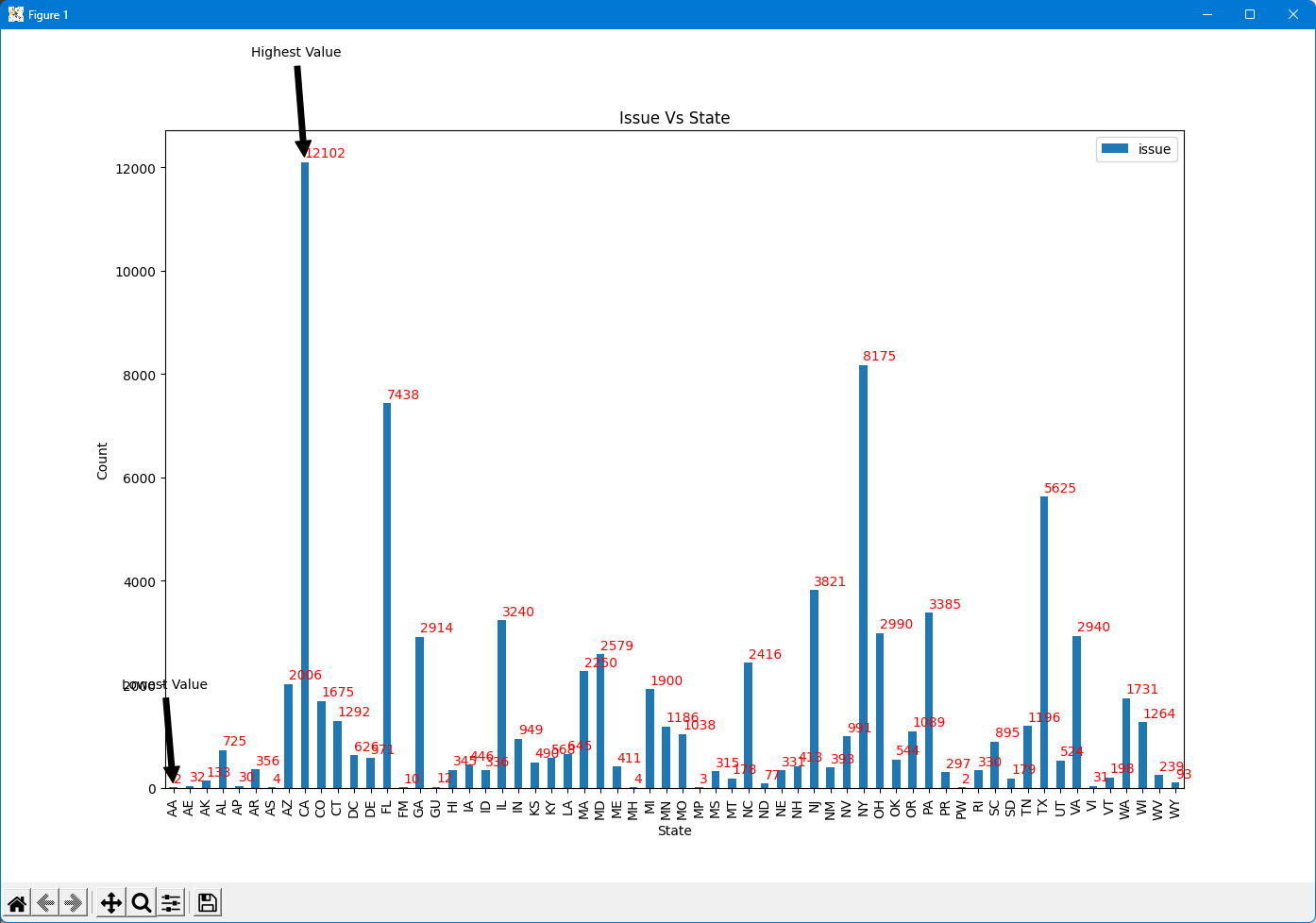


Q4. Using credit\_card\_complaints.csv file as data source

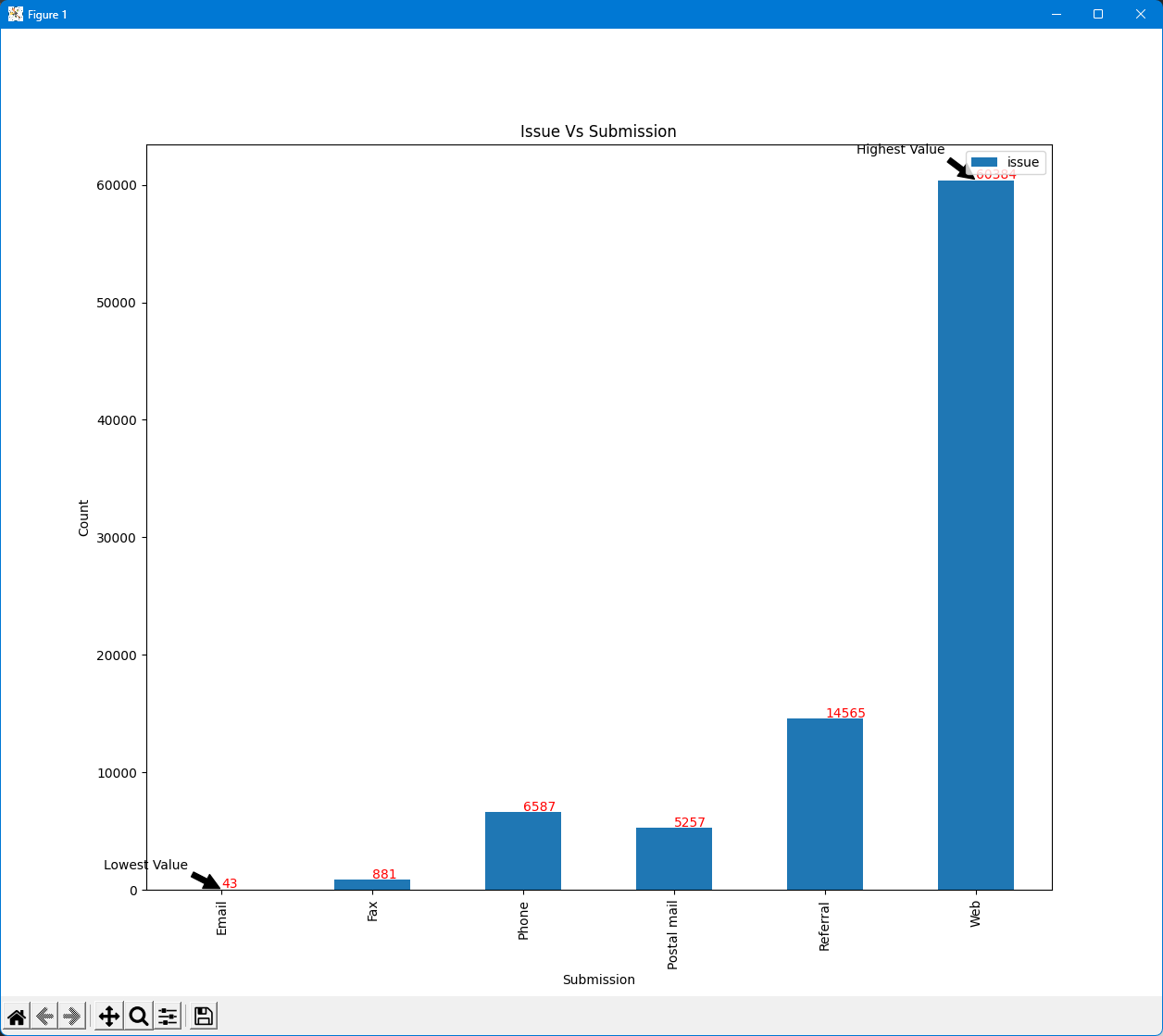
1. Issues VS Count



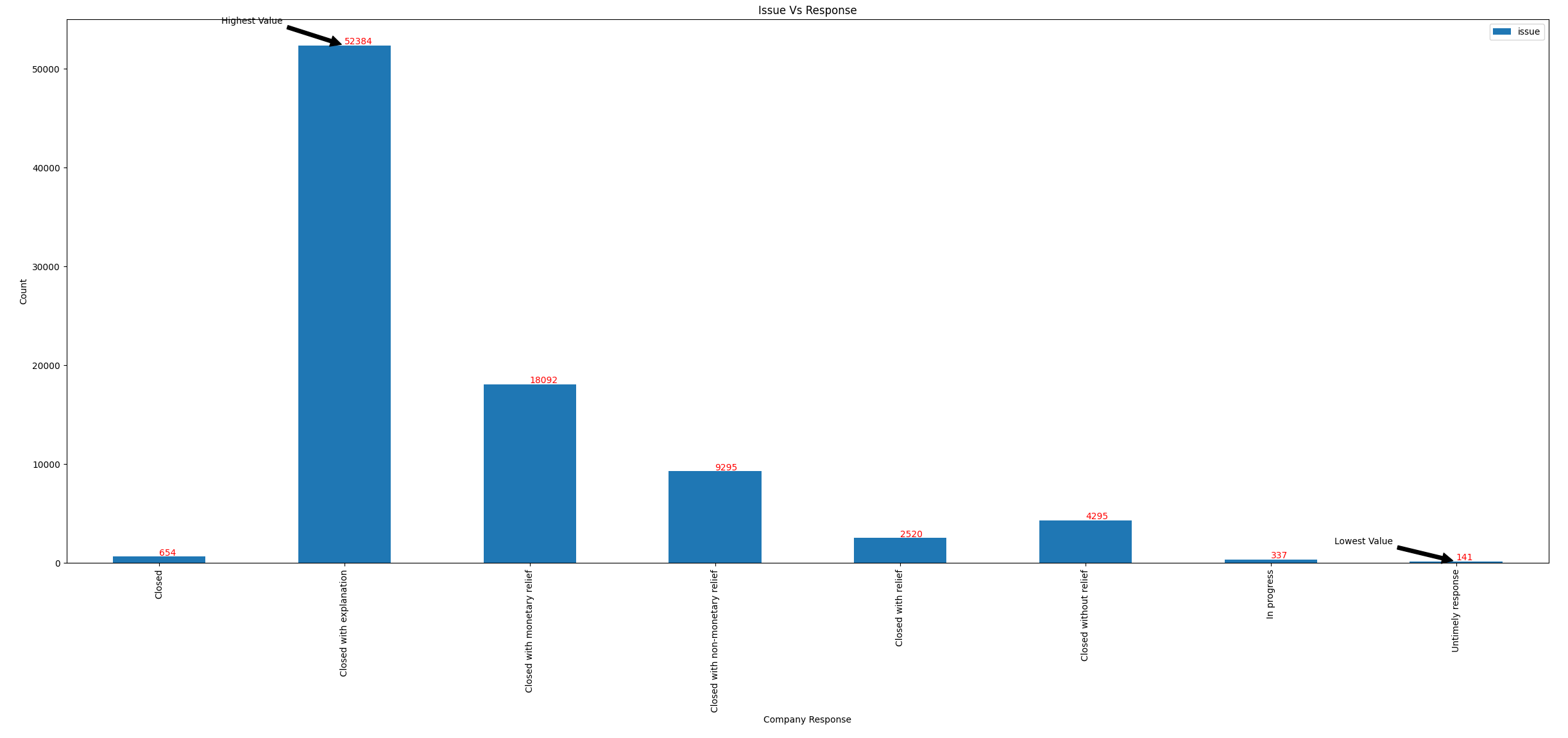
1. Issues VS State



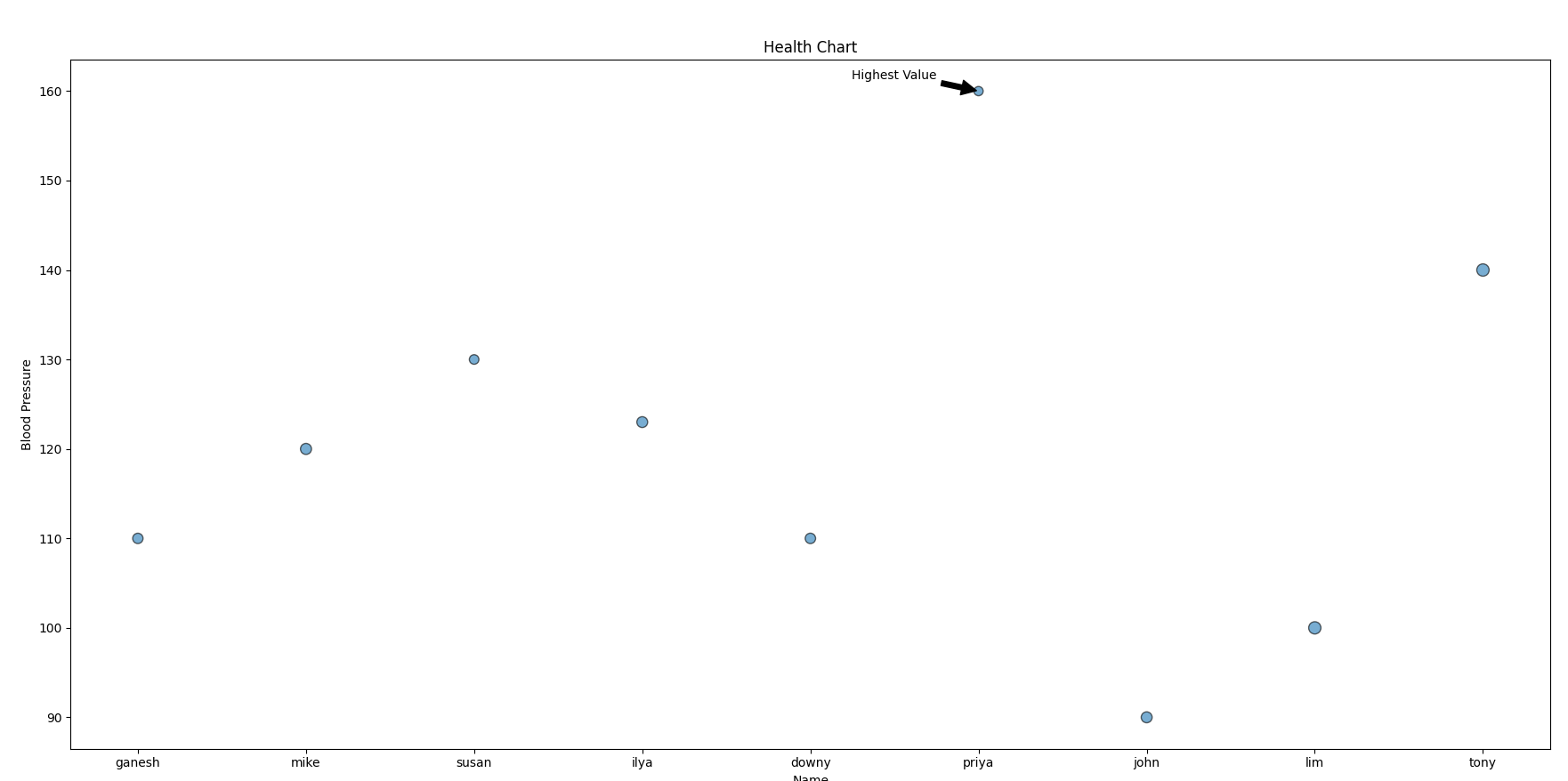
1. Issues VS Submission



1. Issue VS Response



Q5. Using credit\_card\_complaints.csv file as data source



Py\_Scripts Folder Contains below

|  |  |  |
| --- | --- | --- |
| No | Script Name | Usage |
| 1 | Q1.py | Generate answer for Q1 |
| 2 | Q2.py | Generate answer for Q2 |
| 3 | Q3.py | Generate answer for Q3 |
| 4 | Q4-A.py  Q4-B.py  Q4-C.py  Q4-D.py | Generate answer for Q4 |
| 5 | Q5-A.py | Generate answer for Q5 |