Assignment-2

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Question1:
PART1:

Robo1:

```
F1-score 1.0
precision 1.0
Accuracy 1.0
Recall 1.0

inbult KNN classifier
F1-score 1.0
precision 1.0
Accuracy 1.0
Recall 1.0
```
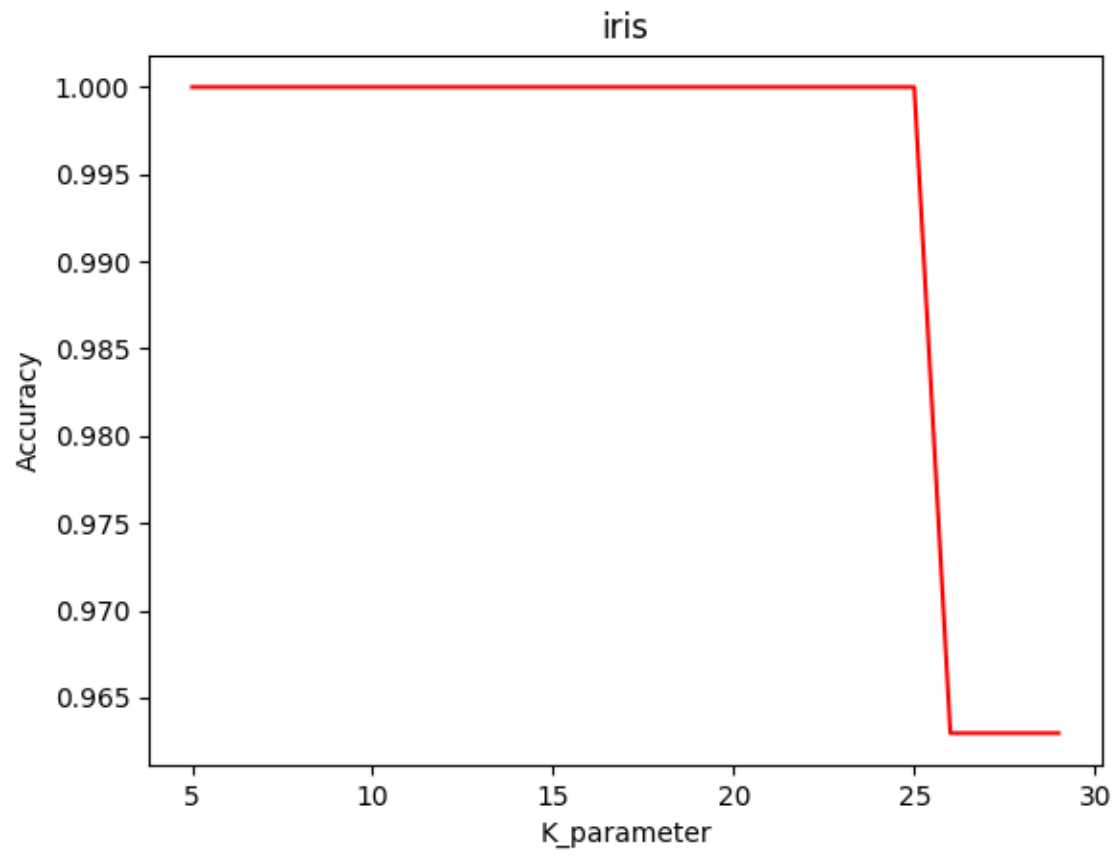
Robo2:

```
F1-score 0.8000000000000002
precision 0.8
Accuracy 0.8
Recall 0.8

inbult KNN classifier
F1-score 0.8000000000000002
precision 0.8
Accuracy 0.8
Recall 0.8

PART2:

Iris:
```
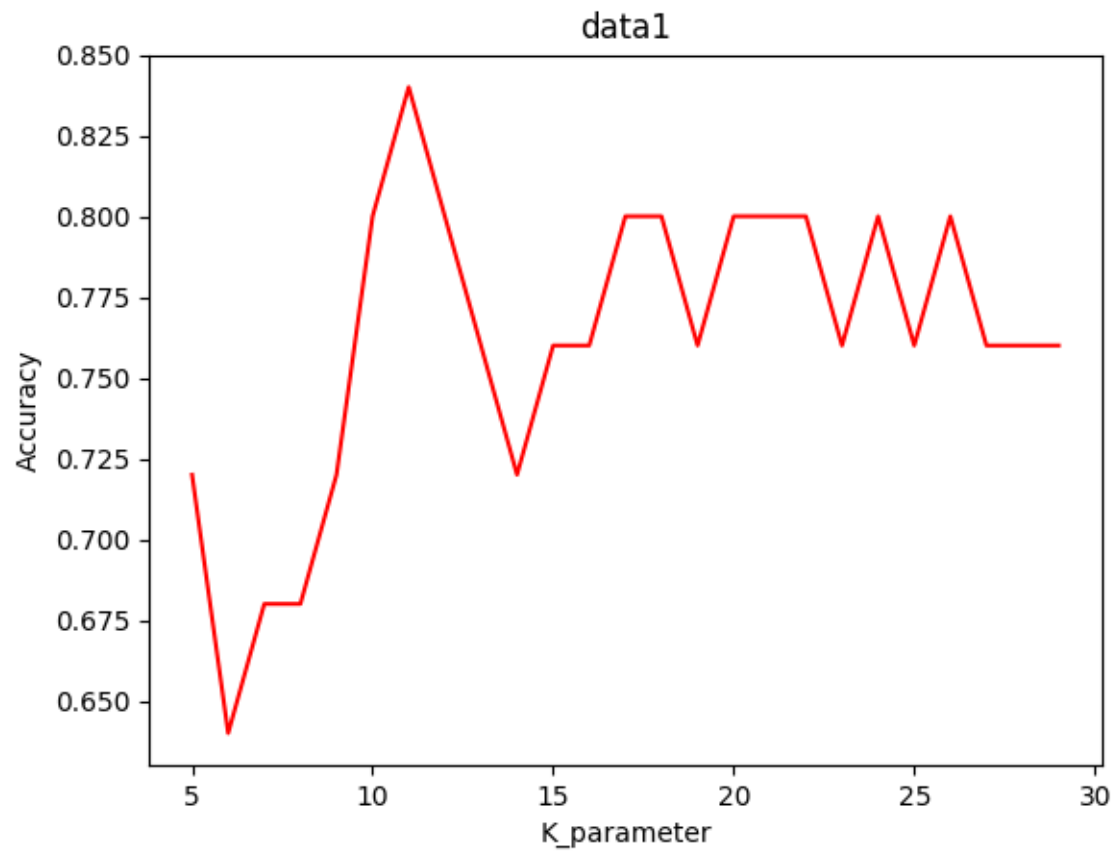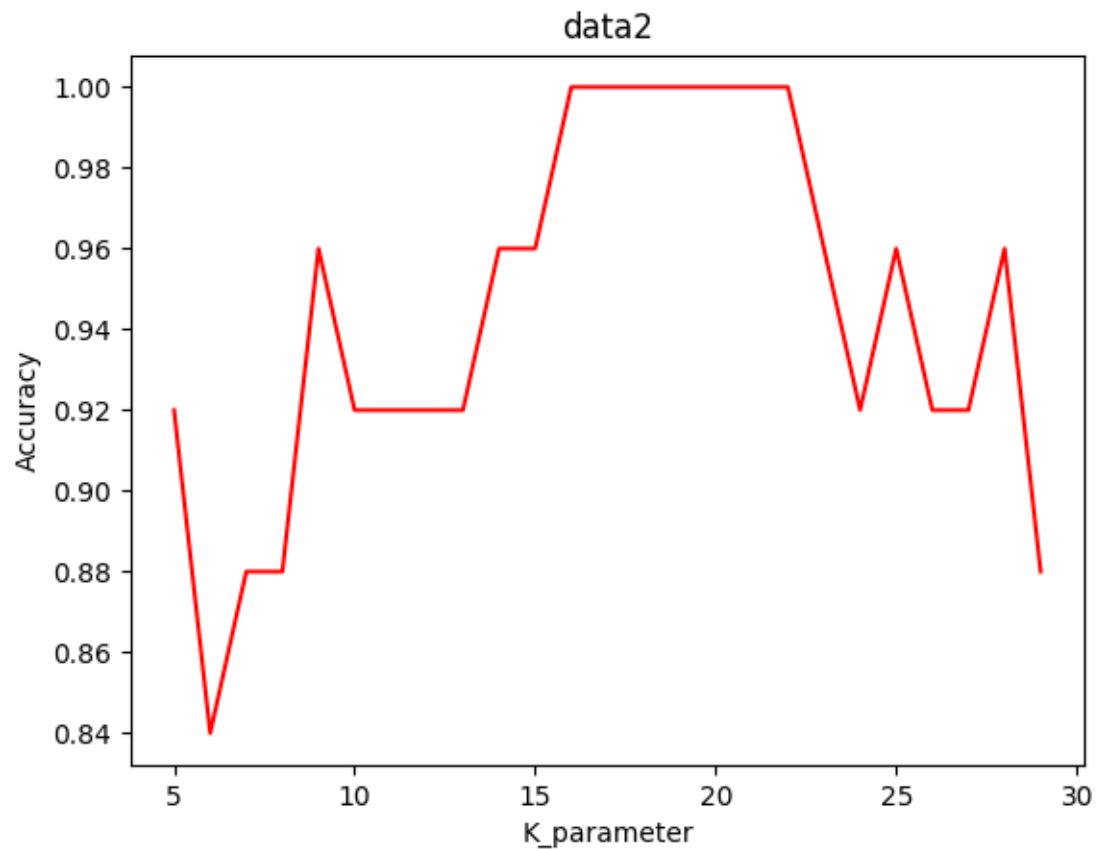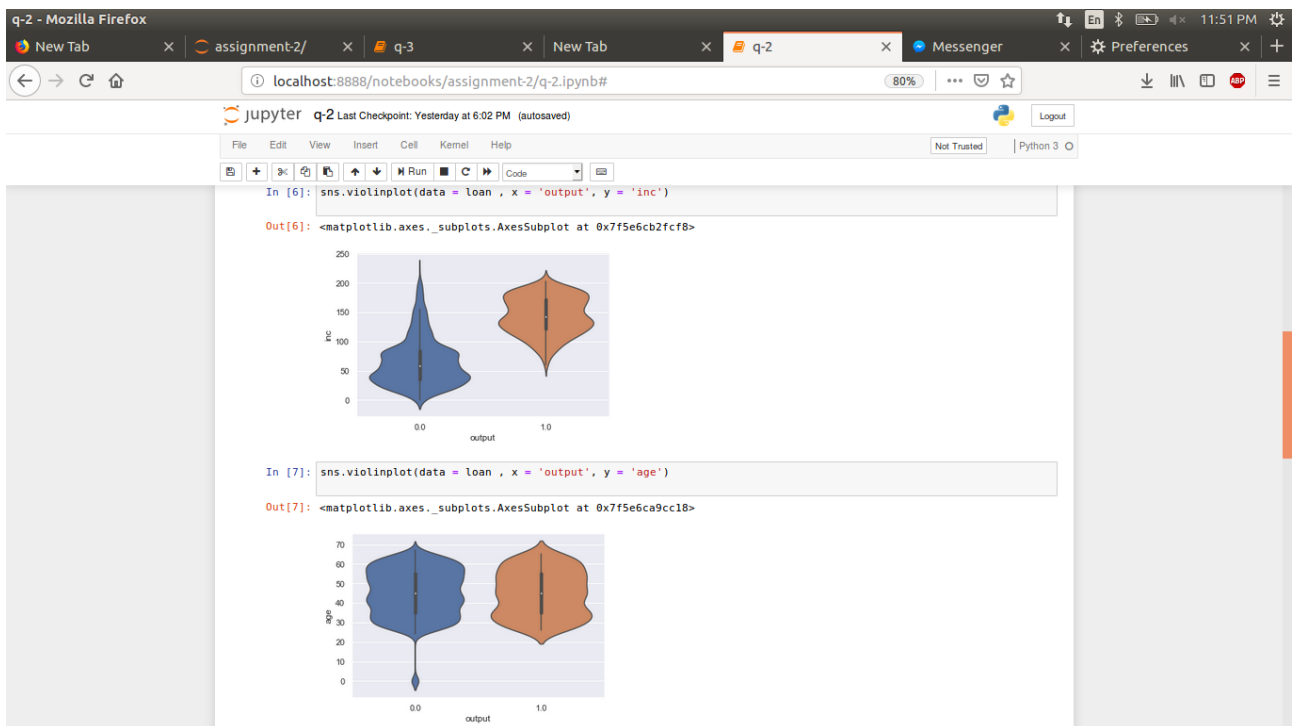
iris

Robo1:

data1

Robo2:

data2

Question2:


```
In [6]: sns.violinplot(data = loan , x = 'output', y = 'inc')

Out[6]: <matplotlib.axes._subplots.AxesSubplot at 0x7f5e6cb2fcf8>
```

```
In [7]: sns.violinplot(data = loan , x = 'output', y = 'age')

Out[7]: <matplotlib.axes._subplots.AxesSubplot at 0x7f5e6ca9cc18>
```

Question3:

```
60
(450,)
(450, 7)
```
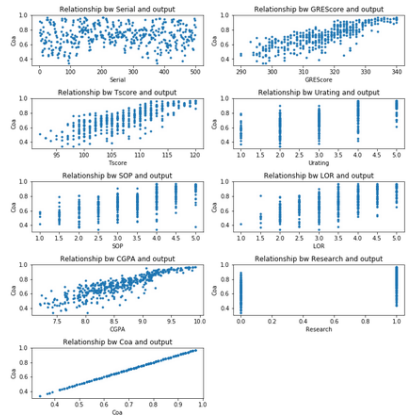
```
In [37]: colnames = list(admission.keys())
         plotFeatures(colnames,"Relationship bw %s and output", 'Coa',admission)
```

```
9
```



```
In [25]: def mean_square(train, l_rate, n_epoch,Class):
```

predict
Highlight All   Match Case   Whole Words   2 of 2 matches