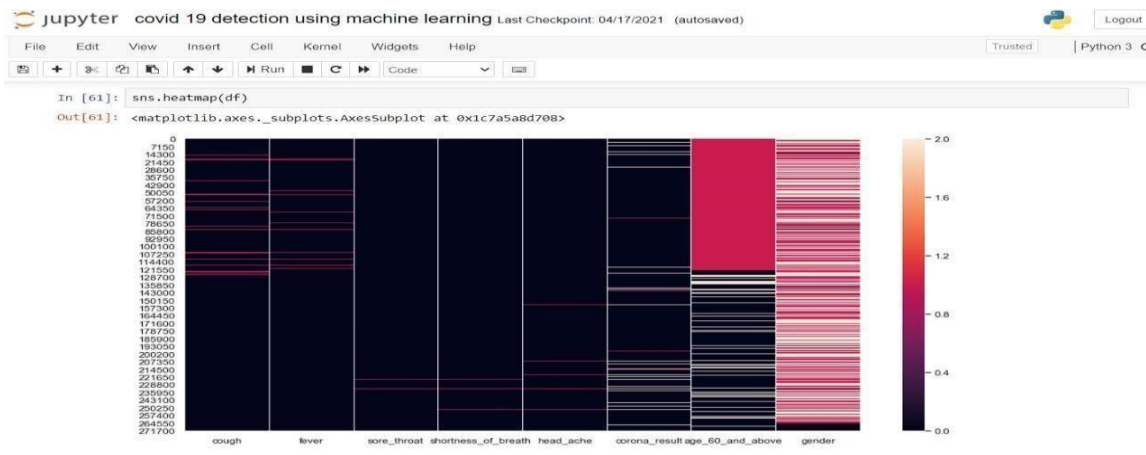


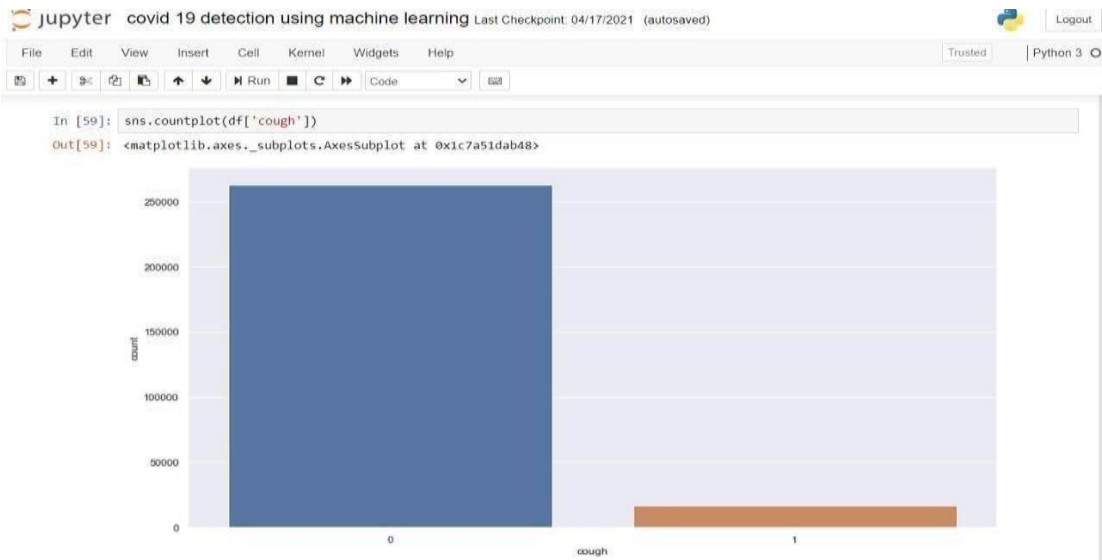
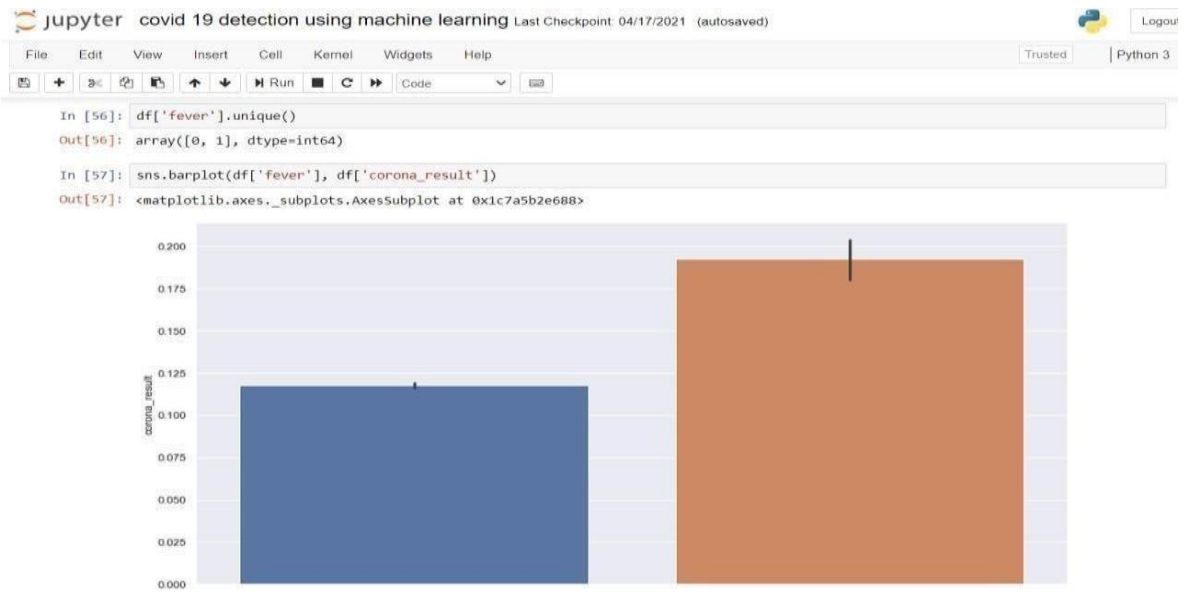
COVID-19 USING COGNOS

RESULTS

```
In [91]: res = clf.predict([[1,0,1,0,1,2,2]])
if res[0] ==0 :
    print('Negative')
else:
    print('Positive')

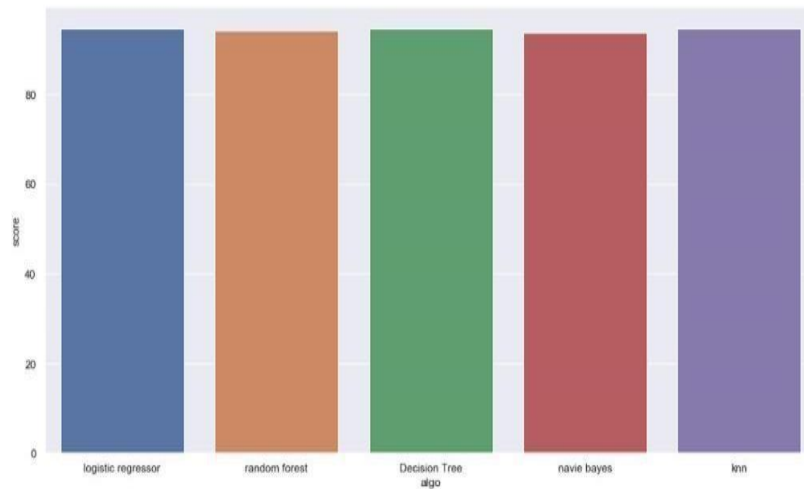
Positive
```





```
In [84]: import matplotlib.pyplot as plt
sns.set(rc={'figure.figsize':(15,8)})
plt.xlabel('algo')
plt.ylabel('score')
sns.barplot(algorithms,scores)
```

```
Out[84]: <matplotlib.axes._subplots.AxesSubplot at 0x1c7b2c46348>
```



The screenshots above show the code and results of the various phases of the Data Analysis done by us on our Covid-19 dataset. The implementation of data analysis has been carried out by various algorithms based on their accuracy. When analysis was done by using various algorithms the most accurate results were yielded by the random forest classifier algorithm. We, while carrying out the analysis, took into consideration the major characteristic features like cough, fever, etc. which largely affect the result of whether the person is positive or negative based on these symptoms. In the later phases we were also able to determine whether the person was covid negative or positive based on his input data which is being taken by a small tkinter interface.