

Experiment No. 3.2

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Branch: **MCA - CCD**

Semester: **I**

Subject Name: **Python Programming Lab**

UID: **22MCC20039**

Section/Group: **MCD-1/ Grp B**

Date of Performance: **19th Dec 22**

Subject Code: **22CAP-647**

1. Aim/Overview of the practical:

Visualize dataset using plotly and create heatmap of the correlation between different columns (Heart disease dataset)

2. Code for practical:

A.

```
import pandas as pd
import plotly.express as px
df = pd.read_csv('heart.csv')
fig = px.line(df, x='age', y='thal', title='Age X Time')
fig.show()
```

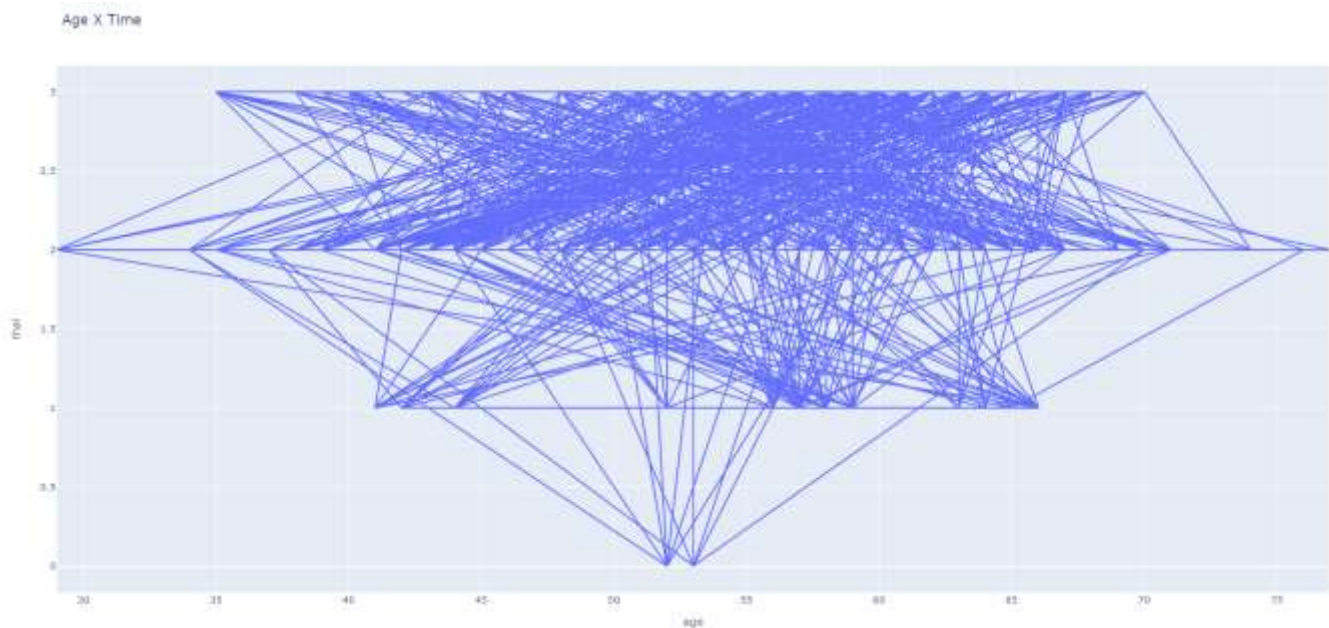
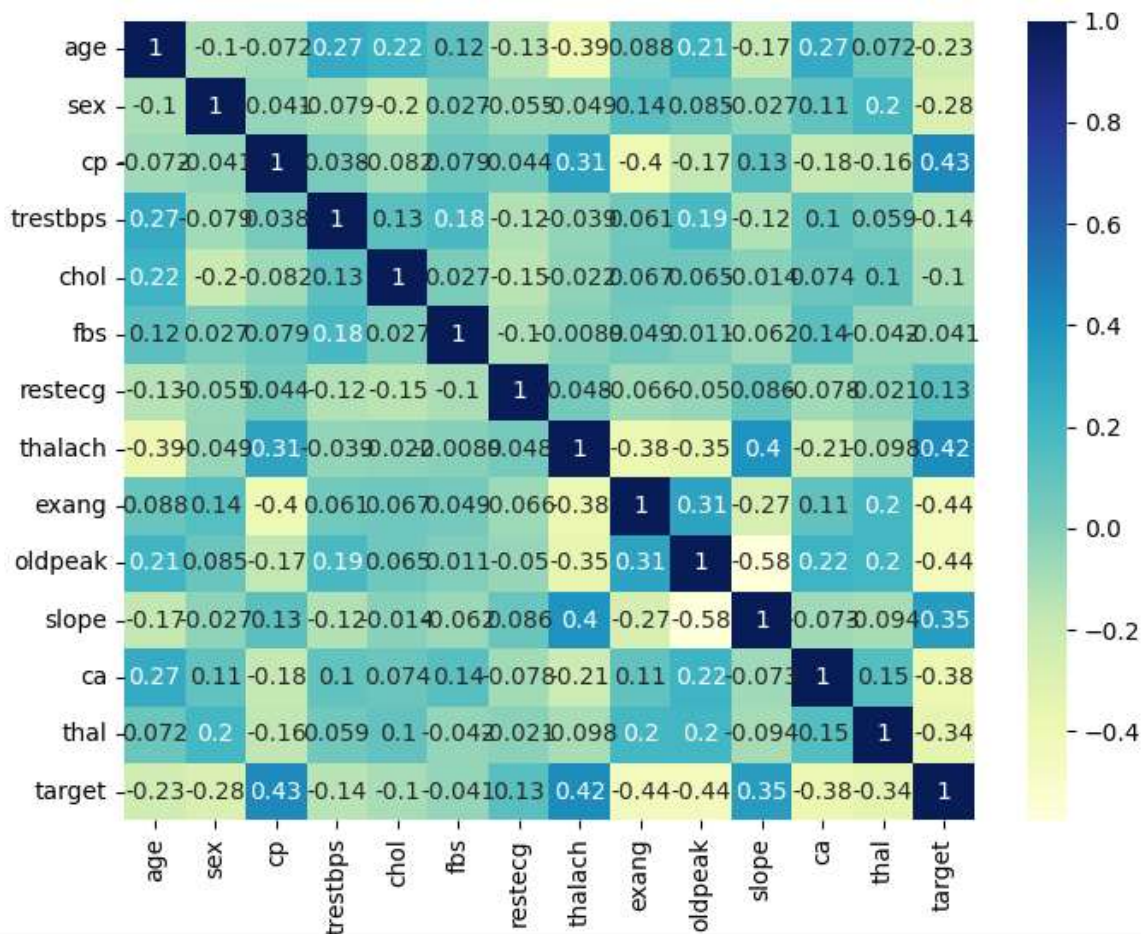
B.

```
import matplotlib.pyplot as mp
import pandas as pd
import seaborn as sb

data = pd.read_csv("heart.csv")
print(data.corr())
dataplot = sb.heatmap(data.corr(), cmap="YlGnBu", annot=True)

mp.show()
```

3. Output:



***** THE END *****