EX.NO: 05

DATE: 28/03/2024

DATA VISUALIZATION

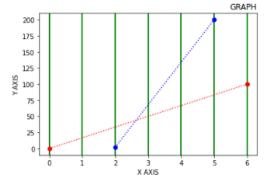
AIM:

To import Data Visualization packages and do the basic functions.

PROGRAM:

```
import matplotlib.pyplot as plt
import numpy as np
xpoints = np.array([0,6])
ypoints = np.array([0,100])
plt.plot(xpoints,ypoints)
plt.show()
```

```
import matplotlib.pyplot as plt
import numpy as np
xpoints = np.array([0,6])#plt.xlabel('xaxis')
xlpoints = np.array([2,5])
ypoints = np.array([0,100])
ylpoints = np.array([2,200])
plt.xlabel('X AXIS')
plt.ylabel('Y AXIS')
plt.title('GRAPH',loc='right')
plt.plot(xpoints,ypoints,'o:r')
plt.plot(xlpoints,ylpoints,'o:b')
plt.grid(axis='x',color='green',linewidth='2')
plt.show()
```



```
import matplotlib.pyplot as plt
import numpy as np
xpoints = np.array([0,6])
ypoints = np.array([0,100])
plt.plot(xpoints,ypoints,'or',ms=10,mec='r',mfc='y',linestyle='dotted',linewidth=':
plt.show()
```

