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EX.NO: 05

DATE : 28/03/2024

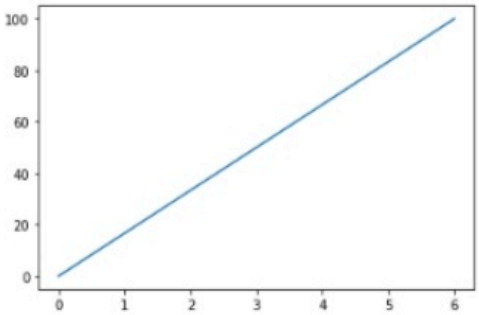
DATA VISUALIZATION

AIM:

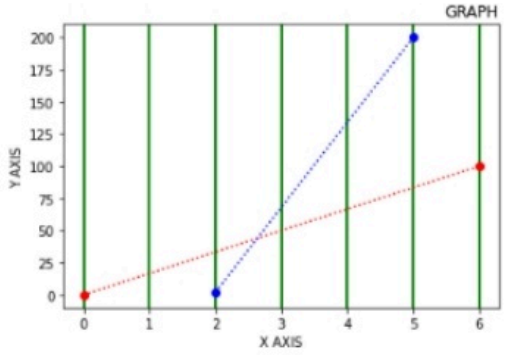
To import Data Visualization packages and do the basic functions.

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')
x1points = np.array([2,5])
ypoints = np.array([0,100])
y1points = 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(x1points,y1points,'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()
```