

three dimensional plotting can be enable in matplotlib by importing mplot3d toolkit.

A three-dimension axes can be created by passing the keyword `projection='3d'` to any of the normal axes.

#sample program

```
from mpl_toolkits import mplot3d
import matplotlib.pyplot as plt
import numpy as np
```

```
ax = plt.axes(projection='3d')
x = np.linspace(0, 1, 100)
y = np.sin(x)
z = np.cos(x)
#plot3D() function is used to create 3D plot
ax.plot3D(x, y, z, color='green')
plt.show()
```



