

## 2. Sine and Cosine curves

```
import numpy as np
import matplotlib.pyplot as plt

x = np.arange(-10, 10, 0.001)
y1 = np.sin(x)
y2=np.cos(x)
plt.plot(x,y1,x,y2) # plotting sine and cosine function together with
                    # same values of x

plt.title("sine curve and cosine curve")
plt.xlabel("Values of x")
plt.ylabel("Values of sin(x) and cos(x) ")
plt.grid()
plt.show()
```