

Information & Communication Technology

Subject: PWP -01CT1309

Lab 12

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Enrollment No: 92100133020

```
class Phone:
  def setcolo(self,color):
     self.color = color
  def setcost(self,cost):
     self.cost = cost
  def showcolour(self):
     return self.color
  def showcost(self):
     return self.cost
  def makecall(self):
     print("Make Call")
  def playgame(self):
     print("Play game")
p1 = Phone()
p1.setcolo("RED")
p1.setcost(3000)
print(p1.showcolour())
print(p1.showcost())
pl.makecall()
pl.playgame()
```

RED 3000 Make Call Play game



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```
class Emploi:
  def init(self,name,age,salary,gender):
     self.name = name
     self.age= age
     self.salary = salary
     self.gender = gender
  def show detail(self):
     print("Name of employe is ",self.name)
     print("age of employe is ",self.age)
     print("salary of employe is ",self.salary)
     print("gender of employe is ",self.gender)
e1 = Emploi('ccc',102,20,'not decided')
el.show detail()
class Vehicle:
  def init (self, milage, cost):
     self.milage = milage
     self.cost = cost
  def show details(self):
     print("Vehicle")
     print("Milage of VEhicle is ", self.milage)
     print("Cost of Vehicle is ", self.cost)
# Insttializing the object for base class
v1 = Vehicle(50, 50000)
```



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```
import numpy as np
import matplotlib.pyplot as plt
x = np.array([0,6])
y = np.array([0, 250])
plt.plot(x,y)
plt.show()
a = np.array([1,8])
b = np.array([3,10])
plt.plot(a,b,'o')
plt.show()
c = np.array([1, 2, 6, 8])
d = np.array([3, 8, 1, 10])
plt.plot(c, d)
plt.show()
# Plot sine wave
j = np.arrange(0, 3*np.pi, 0.1)
k = np.sin(j)
plt.xlabel("X - Axis")
plt.ylabel("Y - Axis")
plt.title("Sine wave form")
plt.plot(j,k)
plt.show()
# Plot cos wave
j = np.arange(1, 3*np.pi, 0.1)
k = np.sin(j)
plt.xlabel("X - Axis")
plt.ylabel("Y - Axis")
```



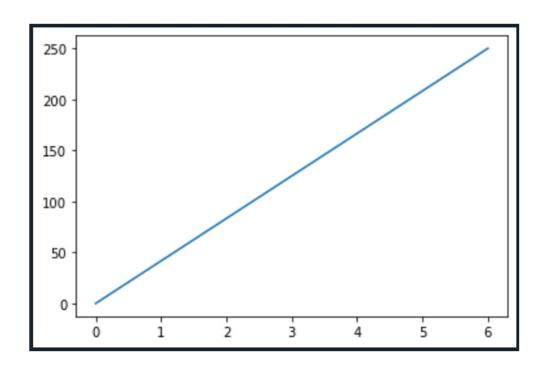
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plt.title("Cos wave form")

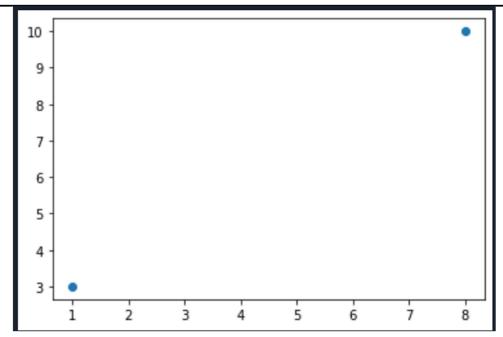
plt.plot(j,k)
plt.show()

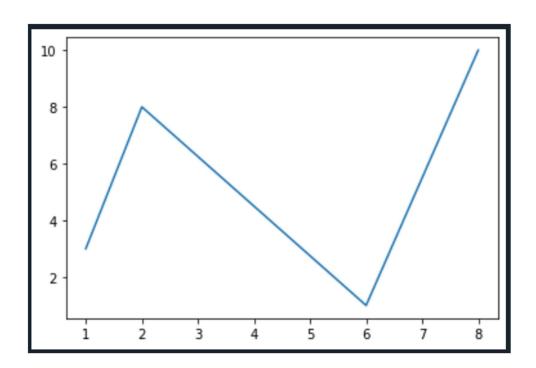
f = [5,2,9,4,7] g = [10,5,8,4,2]plt.plot(f,g) plt.show()





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