

Date: 1/11/2021

# Tutorial -1

## Question 1

Write an object oriented program to store the details of an employee, display the details of the Employee having salary greater than 1 lakh per month and the employee details consist of Employee name, Employee id, department, institution name, salary.

## Program

```
class Employee:
    def __init__(self,name,id,institute,dept,salary):
        self.name=name
        self.id=id
        self.institute=institute
        self.dept=dept
        self.salary=salary
    def display(self):
        print("Employee details :
",self.name,self.id,self.institute,self.dept,self.salary)
list=[]
list.append(Employee("Anooja",11,"IBM","Management",2000000))
list.append(Employee("Jinu",12,"TCS","Account",500000))
list.append(Employee("Pallavi",13,"Apple","Technical",5000000))
list.append(Employee("Nadhu",14,"Google","SA",8000000))
list.append(Employee("Dilna",15,"Accolite","Cloud techi",900000))
for obj in list:
    if((obj.salary/12) > 100000):
        obj.display()
```

## Output

```
PS E:\xamp\htdocs\doctor> & C:/Python39/python.exe "e:/My Documents/Desktop/arrrrr.py"
Employee details : Anooja 11 IBM Management 2000000
Employee details : Pallavi 13 Apple Technical 5000000
Employee details : Nadhu 14 Google SA 8000000
PS E:\xamp\htdocs\doctor> █
```

## Question 2

Define a class product with members pcode, pname, price, fruit and cosmetics. Create 3 object of the class and find the product having the lowest price and also the product appearing in fruit and cosmetics?

## Program

```
class Product:
    def __init__(self,pcode,pname,price,fruit,cosmetic):
        self.pcode = pcode
        self.pname = pname
        self.price = price
        self.fruit = fruit
        self.cosmetic = cosmetic
    def display(self):
        print("Pcode : ",self.pcode)
        print("Pname : ",self.pname)
        print("Price : ",self.price)

list = []
list.append(Product(3001,"Banana",850,True,True))
list.append(Product(3002,"Cherry",820,True,False))
list.append(Product(3003,"Lemon",680,True,True))
for p in list:
    if(p.fruit and p.cosmetic ):
        p.display()
```

## output

```
PS E:\xampp\htdocs\doctor> & C:/Python39/python.exe "e:/My Documents/Desktop/pro.py"
Pcode : 3001
Pname : Banana
Price : 850
Pcode : 3003
Pname : Lemon
Price : 680
PS E:\xampp\htdocs\doctor> 
```