**Date: 10/11/2021**

**Tutorial-3**

**Question 1 :**

Create a class employee with data members empid, name, salary, and insurance amount per month and constructor initializing data members, create another class personal details with name of nominee, living status ,date of birth of nominee with constructor for initializing details, create a class insurance claim that calculate insurance amount. If the living status is false and nominee has age greater than or equal to 18 .The insurance amount is calculated for 12 years

**Program**

from datetime import date

from datetime import datetime

import datetime

class Employee:

    def \_init\_(self,empid,name,salary,insurance):

        self.empid=empid

        self.name=name

        self.salary=salary

        self.insurance=insurance

class Nominee:

    def \_init\_(self,status,nomininame,dob):

        self.status=status

        self.nomininame=nomininame

        self.dob=dob

class Insurance(Employee,Nominee):

    def \_init\_(self,empid,name,salary,insurance,status,nomininame,dob):

        Employee.\_init\_(self,empid,name,salary,insurance)

        Nominee.\_init\_(self,status,nomininame,dob)

    def display(self):

        today = date.today()

        age= today.year - dob.year –

((today.month, today.day) < (dob.month, dob.day))

        sam=self.status

        if age >=18 and (sam ==False):

            amt=self.insurance\*12\*12

            print(self.nomininame,amt)

dob = datetime.date(1999,3,9)

today = date.today()

age= today.year - dob.year - ((today.month, today.day) < (dob.month, dob.day))

s1=Insurance(2001,'Sruthi',300000,2000,False,"Bindhu",dob)

s1.display()

**Output**