1. **What will be the output of the following program:**

**try**:

**print** "a"

**raise** **Exception**("Boom !")

**except**:

**print** "b"

**else**:

**print** "c"

**finally**:

**print** "d"

**Output:**

**a**

**b**

**d**

1. **What will be the output of the following program:**

**def** **f**():

**try**:

**print** "a"

**return**

**except**:

**print** "b"

**else**:

**print** "c"

**finally**:

**print** "d"

f()

**Output:**

**a**

**d**

1. Write a program in Python to calculate Fibonacci number until the number provided by the user.
   1. Your program shall ask the user for the number until when they want Fibonacci numbers.
   2. Your program shall accept that number and display the Fibonacci numbers.

**def feb(n):**

**a=0**

**b=1**

**if n==0:**

**print(n)**

**elif n==1:**

**print(n)**

**else:**

**while a < n:**

**print(a),**

**a, b = b, a+b**

**while True:**

**print("Enter ur Choice:")**

**choice = int(input("1.Enter a Number\t2.Exit\n "))**

**if choice == 1:**

**feb\_count = int(input("Enter a number: "))**

**feb(feb\_count)**

**elif choice ==2:**

**print("done!")**

**break**

1. Write the following program:

Create a Class which has employee basic information. Basic information shall be

1. First Name
2. Last Name
3. Gender
4. Age

Everyone has a base salary of 75000$. This cannot be modified.

Create a Class which inherits from Employee class.

This inherited class shall have the following functions:

1. Increase Base salary by 10%
2. Provide promotion (change) in title

Create three employees by default in your program.

Your program shall accept:

1. Update in base salary for any employee
2. Update in promotion title
3. Ask for which employee I need information. It shall then accept the user request and display the employee information appropriately.

**#\_\_author\_\_ = 'saravana'**

**class Employee:**

**\_\_salary = 75000**

**def \_\_init\_\_(self):**

**self.first\_name = ""**

**self.last\_name = ""**

**self.gender = ""**

**self.age = 0**

**def update\_salary(self, new\_salary):**

**self.\_\_salary = new\_salary**

**def get\_salary(self):**

**return self.\_\_salary**

**class employee\_promotion(Employee):**

**def \_\_init\_\_(self):**

**self.employee\_title = ""**

**def increament(self):**

**self.increase\_salary = self.\_Employee\_\_salary\*0.1 + self.\_Employee\_\_salary**

**#print(self.increase\_salary)**

**def set\_title(self,title):**

**self.employee\_title = title**

**def print\_details(self):**

**print("first Name:{},Last Name:{},Gender:{},Age:{},Salary:{}".format(self.first\_name,self.last\_name,self.gender,self.age,self.get\_salary()))**

**Emp1 = employee\_promotion()**

**Emp1.first\_name = "E1"**

**Emp1.last\_name = "L1"**

**Emp1.age = 34**

**Emp1.gender = "m"**

**Emp2 = employee\_promotion()**

**Emp2.first\_name = "E2"**

**Emp2.last\_name = "L2"**

**Emp2.age = 25**

**Emp2.gender = "f"**

**Emp3 = employee\_promotion()**

**Emp3.first\_name = "E3"**

**Emp3.last\_name = "L3"**

**Emp3.age = 36**

**Emp3.gender = "m"**

**#updating the employee salary**

**print(Emp2.get\_salary())**

**Emp2.update\_salary(34000)**

**print(Emp2.get\_salary())**

**#update the employee title**

**print(Emp1.employee\_title)**

**Emp1.set\_title("Web developer")**

**print(Emp1.employee\_title)**

**print("choose the following employee number to view the details:")**

**choice = int(input(("1.E1\t 2.E2\t 3.E3\n")))**

**if choice ==1:**

**Emp1.print\_details()**

**elif choice ==2:**

**Emp2.print\_details()**

**elif choice ==3 :**

**Emp3.print\_details()**

**else:**

**print("Invalid choice")**