

TECHNICAL SKILLING (PFSD)-19TS2201S

Skilling Exercise-1

Id No: 190031920

Name: A Nikhil Reddy

1)Code :

```
class students(object):
```

```
    _count = 0
```

```
    def __init__(self, Student_ID, Student_First_Name, Student_Last_Name, Course, Year,
                  GPA,
                  University,
                  Mobile):
```

```
        self.Student_ID = Student_ID
```

```
        self.Student_First_Name = Student_First_Name
```

```
        self.Student_Last_Name = Student_Last_Name
```

```
        self.Course = Course
```

```
        self.Year = Year
```

```
        self.GPA = GPA
```

```
        self.University = University
```

```
        self.Mobile = Mobile
```

```
        students._count += 1
```

```
    def getInstances(self):
```

```
        print("The class is initialised "+_count+"times")
```

```
    def mail(self):
```

```
        Email = self.Student_First_Name+self.Student_Last_Name+"@kluniversity.in"
```

```
        return Email
```

```
student1 = students(190031920, "NikhilReddy", "A", "cse",
```

```
                    "2nd year", 9.0, "KlUniversity", 987654321)
```

```

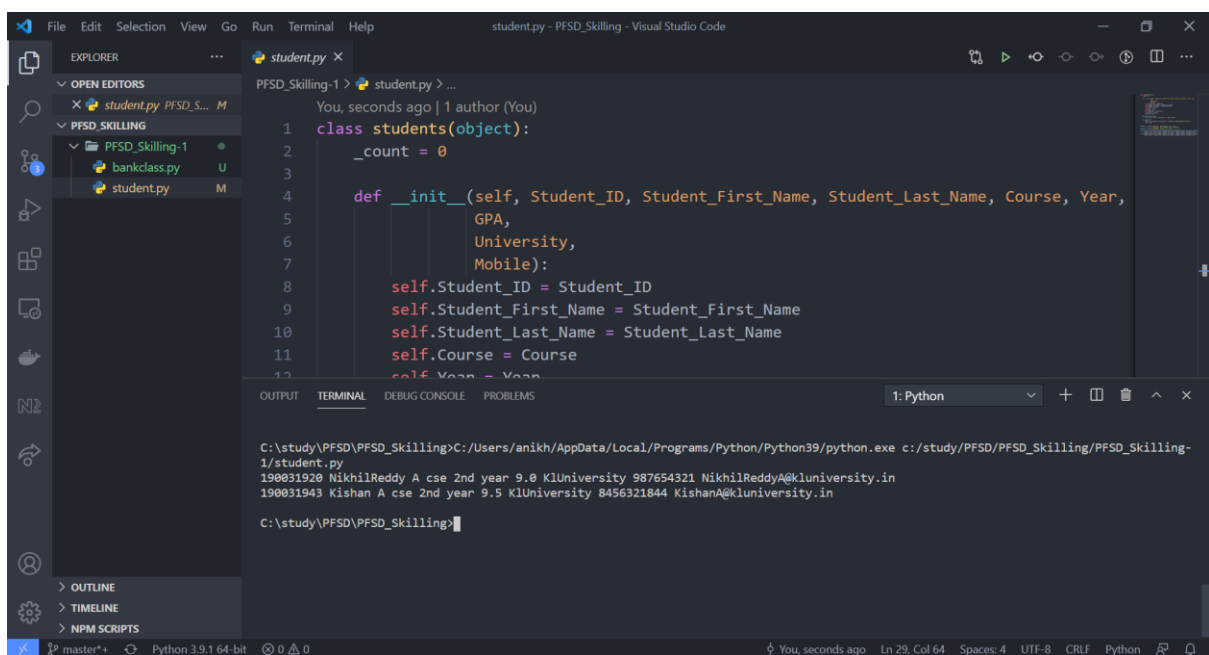
student2 = students(190031943, "Kishan", "A", "cse",
                    "2nd year", 9.5, "KlUniversity", 8456321844)

print(student1.Student_ID, student1.Student_First_Name, student1.Student_Last_Name, student1.Course,
      student1.Year, student1.GPA, student1.University, student1.Mobile, student1.mail())

print(student2.Student_ID, student2.Student_First_Name, student2.Student_Last_Name, student2.Course,
      student2.Year, student2.GPA, student2.University, student2.Mobile, student2.mail())

```

Output:



```

C:\study\PFSD\PFSD_Skilling>C:\Users\anikh\AppData\Local\Programs\Python\Python39\python.exe c:/study/PFSD/PFSD_Skilling/PFSD_Skilling-1/student.py
You, seconds ago | 1 author (You)
1  class students(object):
2      _count = 0
3
4      def __init__(self, Student_ID, Student_First_Name, Student_Last_Name, Course, Year,
5                  GPA,
6                  University,
7                  Mobile):
8
9          self.Student_ID = Student_ID
10         self.Student_First_Name = Student_First_Name
11         self.Student_Last_Name = Student_Last_Name
12         self.Course = Course
13         self.Year = Year
14
15 student1 = students(190031920, "NikhilReddy", "A", "cse", "2nd year", 9.0, "KlUniversity", 987654321)
16 student2 = students(190031943, "Kishan", "A", "cse", "2nd year", 9.5, "KlUniversity", 8456321844)
17
18 print(student1.Student_ID, student1.Student_First_Name, student1.Student_Last_Name, student1.Course,
19       student1.Year, student1.GPA, student1.University, student1.Mobile, student1.mail())
20
21 print(student2.Student_ID, student2.Student_First_Name, student2.Student_Last_Name, student2.Course,
22       student2.Year, student2.GPA, student2.University, student2.Mobile, student2.mail())
23
C:\study\PFSD\PFSD_Skilling>

```

2) Code:

```
class Bank:
    Balance = 10000

    def __init__(self, name, acno):
        self.name = name
        self.acno = acno

    def display(self):
        print(self.name, self.acno)

class IBAcc(Bank):
    def __init__(self, name, acno, cvv):
        super().__init__(name, acno)
        self.cvv = cvv

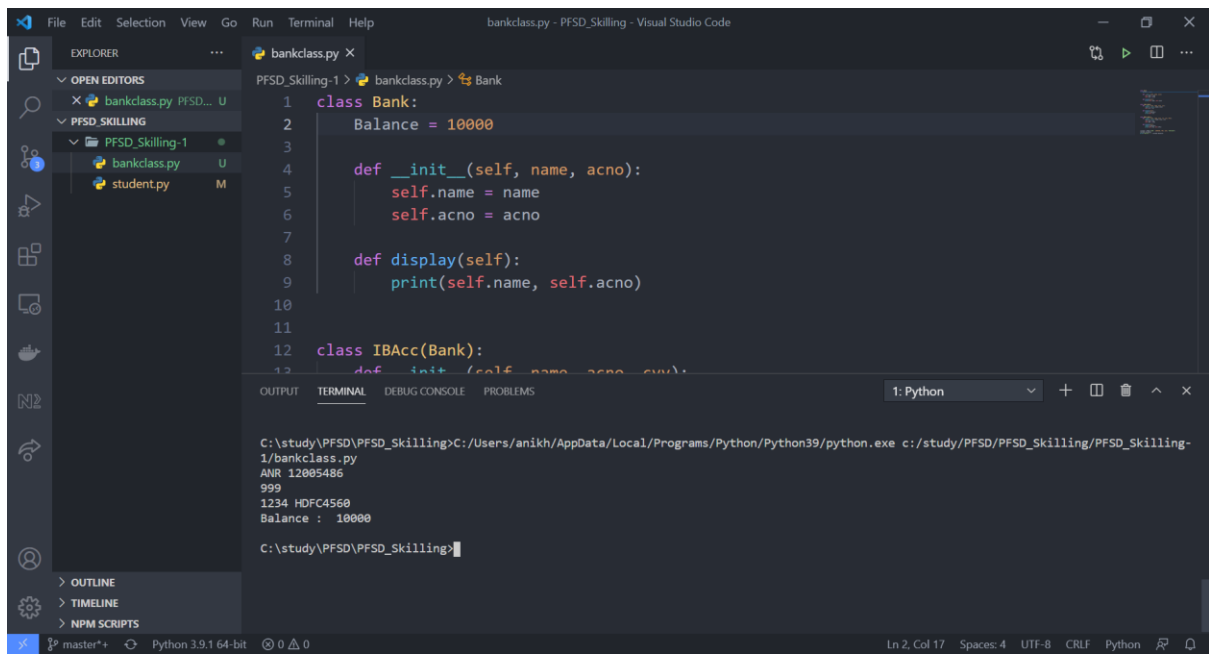
    def display(self):
        super().display()
        print(self.cvv)

class MBAcc(IBAcc):
    def __init__(self, name, acno, cvv, otp, IFSc):
        super().__init__(name, acno, cvv)
        self.otp = otp
        self.IFSc = IFSc

    def display(self):
        super().display()
        print(self.otp, self.IFSc)

customer = MBAcc("ANR", 12005486, 999, 1234, "HDFC4560")
customer.display()
print("Balance : ", customer.Balance)
```

Output:



The screenshot displays the Visual Studio Code interface with a Python file named `bankclass.py` open. The code defines a `Bank` class with a class attribute `Balance = 10000`, an `__init__` method, and a `display` method. A subclass `IBAcc` is also defined. The terminal shows the execution of the script, which prints the account number and balance.

```
1 class Bank:
2     Balance = 10000
3
4     def __init__(self, name, acno):
5         self.name = name
6         self.acno = acno
7
8     def display(self):
9         print(self.name, self.acno)
10
11
12 class IBAcc(Bank):
13     def __init__(self, name, acno, cur):
```

Terminal Output:

```
C:\study\PFSD\PFSD_Skilling>C:\Users\anikh\AppData\Local\Programs\Python\Python39\python.exe c:/study/PFSD/PFSD_Skilling/PFSD_Skilling-1/bankclass.py
ANR 12005486
999
1234 HDFC4560
Balance : 10000
C:\study\PFSD\PFSD_Skilling>
```