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# **Roll No: 210451**

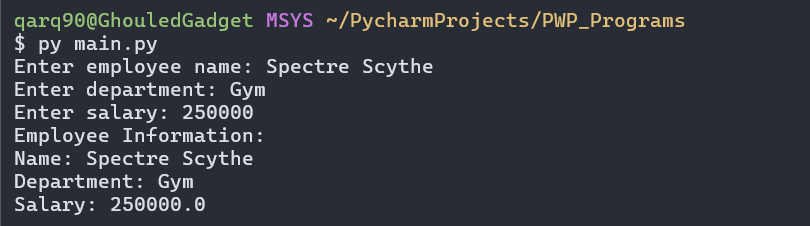
Practical No: 15

1) Create a class Employee with data members: name, department and salary. Create suitable methods for reading and printing employee information

CODE:

class Employee:  
 def \_\_init\_\_(self, name, department, salary):  
 self.name = name  
 self.department = department  
 self.salary = salary  
  
 def read\_employee\_info(self):  
 self.name = input("Enter employee name: ")  
 self.department = input("Enter department: ")  
 self.salary = float(input("Enter salary: "))  
  
 def display\_employee\_info(self):  
 print("Employee Information:")  
 print("Name:", self.name)  
 print("Department:", self.department)  
 print("Salary:", self.salary)  
  
emp = Employee("", "", 0)  
emp.read\_employee\_info()  
emp.display\_employee\_info()

OUTPUT:

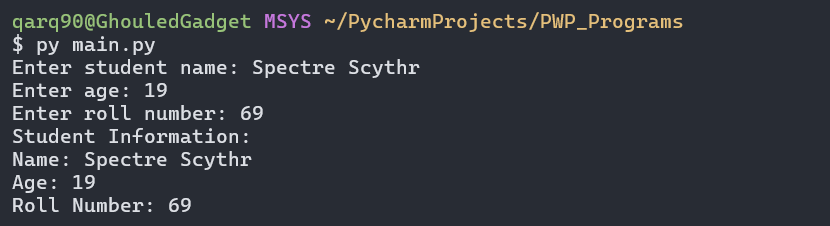
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2) Python program to read and print students information using two classes using simple inheritance.

**CODE:**

class Person:  
 def \_\_init\_\_(self, name, age):  
 self.name = name  
 self.age = age  
  
  
class Student(Person):  
 def \_\_init\_\_(self, name, age, roll\_number):  
 super().\_\_init\_\_(name, age)  
 self.roll\_number = roll\_number  
  
 def read\_student\_info(self):  
 self.name = input("Enter student name: ")  
 self.age = int(input("Enter age: "))  
 self.roll\_number = input("Enter roll number: ")  
  
 def display\_student\_info(self):  
 print("Student Information:")  
 print("Name:", self.name)  
 print("Age:", self.age)  
 print("Roll Number:", self.roll\_number)  
  
stud = Student("", 0, "")  
stud.read\_student\_info()  
stud.display\_student\_info()

**OUTPUT:**

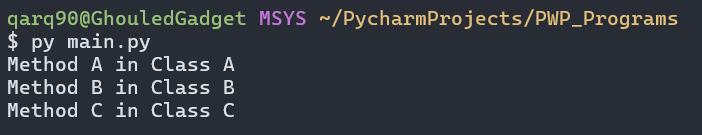
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3) Write a Python program to implement multiple inheritance

**CODE:**

class A:  
 def method\_A(self):  
 print("Method A in Class A")  
  
class B:  
 def method\_B(self):  
 print("Method B in Class B")  
  
class C(A, B):  
 def method\_C(self):  
 print("Method C in Class C")  
  
obj = C()  
obj.method\_A()  
obj.method\_B()  
obj.method\_C()

**OUTPUT:**

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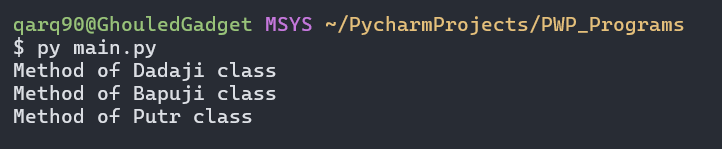
EXTRA QUESTIONS

4) Write a program to demonstrate use of multilevel inheritance.

**CODE:**

class Dadaji:  
 def method\_Dadaji(self):  
 print("Method of Dadaji class")  
  
  
class Bapuji(Dadaji):  
 def method\_Bapuji(self):  
 print("Method of Bapuji class")  
  
  
class Putr(Bapuji):  
 def method\_putr(self):  
 print("Method of Putr class")  
  
  
obj = Putr()  
obj.method\_Dadaji()  
obj.method\_Bapuji()  
obj.method\_putr()

**OUTPUT:**

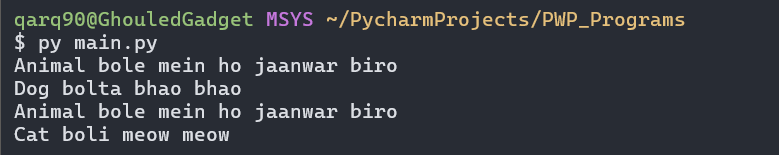


5) Write a python program to show the working of ierarchical inheritance.

**CODE:**

class J\_A\_A\_N\_W\_A\_R:  
 def jaanwar(self):  
 print("Animal bole mein ho jaanwar biro")  
  
  
class Kutta(J\_A\_A\_N\_W\_A\_R):  
 def bhao(self):  
 print("Dog bolta bhao bhao")  
  
  
class Billi(J\_A\_A\_N\_W\_A\_R):  
 def meow(self):  
 print("Cat boli meow meow")  
  
  
dog\_obj = Kutta()  
cat\_obj = Billi()  
  
dog\_obj.jaanwar()  
dog\_obj.bhao()  
cat\_obj.jaanwar()  
cat\_obj.meow()

**OUTPUT:**

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