

Experiment 9: Write a program to implement an employee management system using classes, instances and inheritance.

CODE:

Parent class: Employee

class Employee:

def __init__(self,name,employee_id):

self.name = name

self.employee_id=employee_id

def display_info(self):

print("Employee ID: ",self.employee_id)

print("Name: ",self.name)

Derived class: Manager (inherits from Employee)

class Manager(Employee):

def __init__(self,name,employee_id,department):

super().__init__(name,employee_id)

self.department= department

def display_info(self):

super().display_info()

print("Department: ",self.department)

Derived class: Developer (inherits from Employee)

class Developer(Employee):

def __init__(self,name,employee_id,programming_language):

super().__init__(name,employee_id)

self.programming_language= programming_language

def display_info(self):

super().display_info()

print("Programming Language: ",self.programming_language)

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# Get runtime input for Manager
manger_name = input("Enter Manager's name: ")
manger_id = int(input("Enter Manager's ID: "))
manger_department = input("Enter Manager's Department: ")

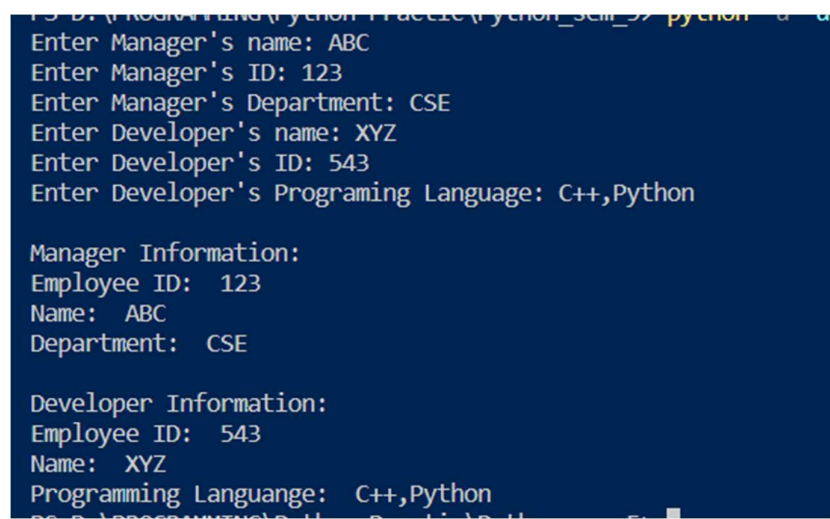
# Get runtime input for Programmer
developer_name = input("Enter Developer's name: ")
developer_id = int(input("Enter Developer's ID: "))
programing_language = input("Enter Developer's Programing Language: ")

# Creating instances of Manager and Developers classes
manager = Manager(manger_name,manger_id,manger_department)
developer = Developer(developer_name,developer_id,programing_language)

# Display information of Manger Developer
print("\nManager Information:")
manager.display_info()
print("\nDeveloper Information:")
developer.display_info()

```

OUTPUT:



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C:\Users\user> python program.py
Enter Manager's name: ABC
Enter Manager's ID: 123
Enter Manager's Department: CSE
Enter Developer's name: XYZ
Enter Developer's ID: 543
Enter Developer's Programing Language: C++,Python

Manager Information:
Employee ID: 123
Name: ABC
Department: CSE

Developer Information:
Employee ID: 543
Name: XYZ
Programming Language: C++,Python

```