Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA , Batch - 31
OOP Exercise - Inheritance 2

Problem : Create a class named 'Member' having the following members:
Data members :

1 - Name
2 - Age
3 - Phone number
4 - Address
5 - Salary

It also has a method named 'printSalary' which prints the salary of the members. Two classes 'Employee' and 'Manager' inherits the 'Member' class. The 'Employee' and 'Manager' classes have data members 'specialization' and 'department' respectively. Now, assign name, age, phone number, address and salary to an employee and a manager by making an object of both of these classes and print the same.

Code :

```java
// YSL - Yash S Lakhtariya
class Member
{
    String name;
    int age;
    long contact;
    String address;
    double salary;

    public void printSalary()
    {
        System.out.println("\n\tSalary Assigned : " + this.salary + " USD");
    }

}
```

```java
class Employee extends Member
{
  String spcl;
  public void empl()
  {
      System.out.println("\nEmployee Details : ");
      System.out.println("\n\tName : " + this.name);
      System.out.println("\n\tAge : " + this.age);
      System.out.println("\n\tContact : " + this.contact);
      System.out.println("\n\tAddress : " + this.address);
      System.out.println("\n\tSpecialization : " + this.spcl);
  }
}

class Manager extends Member
{
  String department;
  public void mngr()
  {
      System.out.println("\nManager Details : ");
      System.out.println("\n\tName : " + this.name);
      System.out.println("\n\tAge : " + this.age);
      System.out.println("\n\tContact : " + this.contact);
      System.out.println("\n\tAddress : " + this.address);
      System.out.println("\n\tDepartment : " + this.department);
  }
}


public class YSL_ex_inhrt2
{
```

```java
public static void main(String[] args)
{

    Member mbr = new Member();
    Employee emp1 = new Employee();
    emp1.name = "Yash Lakhtariya";
    emp1.age = 20;
    emp1.contact = 987654321l;
    emp1.address = "Vrindavan";
    emp1.spcl = "Linux";
    mbr.salary = 643216.12;
    emp1.empl();
    mbr.printSalary();

    System.out.println("\n");

    Member mbr2 = new Member();
    Manager emp2 = new Manager();
    emp2.name = "Lakhtariya Yash";
    emp2.age = 19;
    emp2.contact = 1234567890l ;
    emp2.address = "Mayapur";
    emp2.department = "CBA";
    mbr2.salary = 163264.12;
    emp2.mngr();
    mbr2.printSalary();
}
}
```
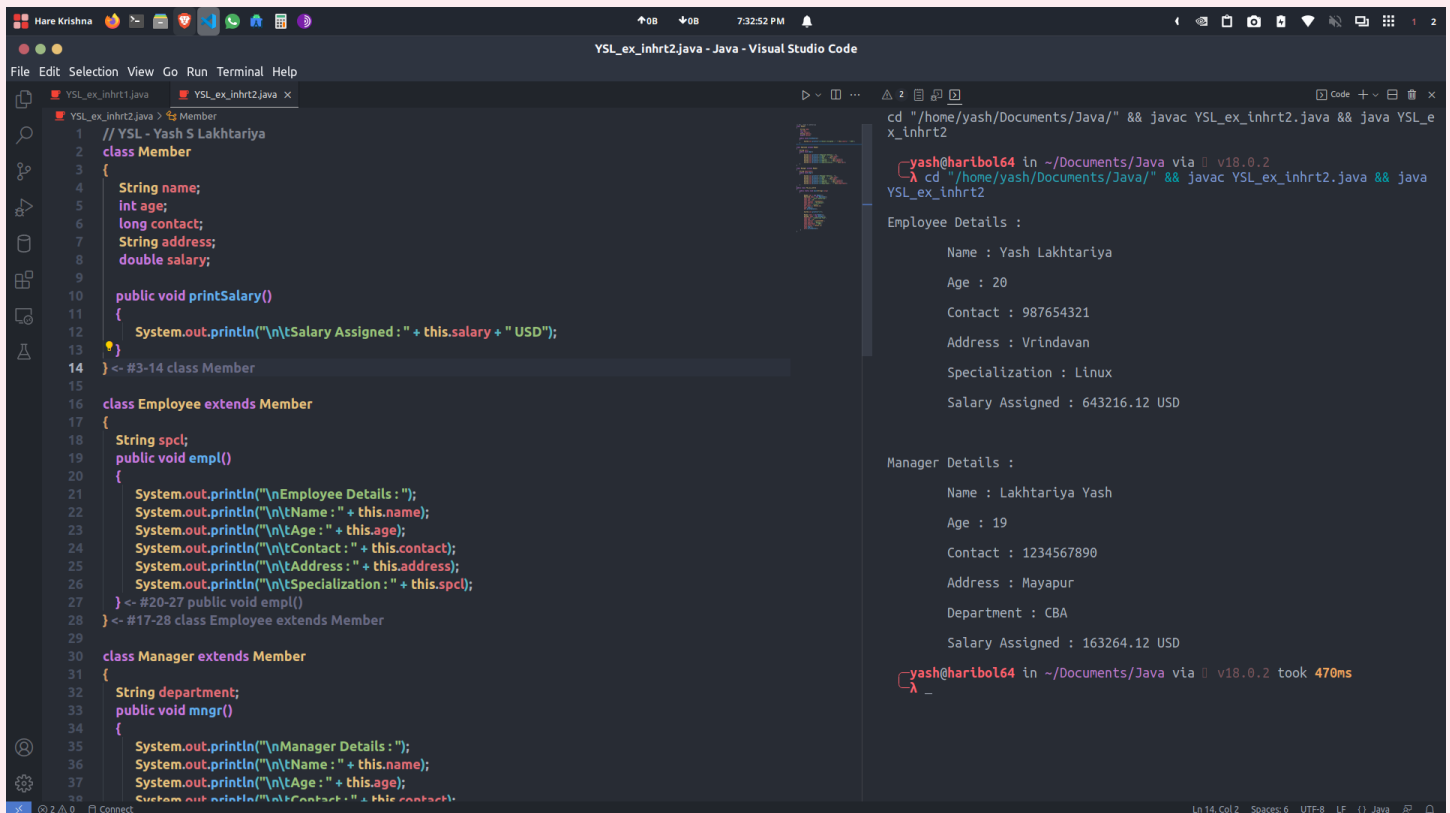
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<u>Output</u> :