Class Assignment

```java
class Customer{          //base class or super class
int id;
String name;
double balance;
static String bankName="state of india";


//constructor
Customer(int id,String name,double balance){
this.id=id;
this.name=name;
this.balance=balance;
}


//method to display data
void display()
{
System.out.println("Customer Id:"+id+"\n"+"Customer Name:"+name+"\n"+"Customer
Balance:"+balance+"\n"+"Customer Bank_Name:"+bankName);
}


//calculate simple interest
void calInterest()
{
        double si=(balance*3*7.5)/100;
        System.out.println("Simple Interest="+si);
}
```

```java
}



//derived class

class ClassicCustomer extends Customer{

 double r;


  //constructor

  ClassicCustomer(int id,String name,double balance,double r){

  super(id,name,balance);                          //super to call base class constructor

  this.r=r;

  }


//display method to print data

  void display(){

  System.out.println("Customer Id:"+id+"\n"+"Customer Name:"+name+"\n"+"Customer
Balance:"+balance+"\n"+"Customer Bank_Name:"+bankName +"\n"+
"Interest Rate:"+r);

  }


  //simple interest calculate

        void calInterest(){

        double si = (balance*3*r)/100;

        System.out.println("Simple Interest: "+si);

        //System.out.println();

}



//main method

public static void main(String[] args){

//ClassicCustomer cl=new ClassicCustomer(101,"Prachi",30000,8.5);
```
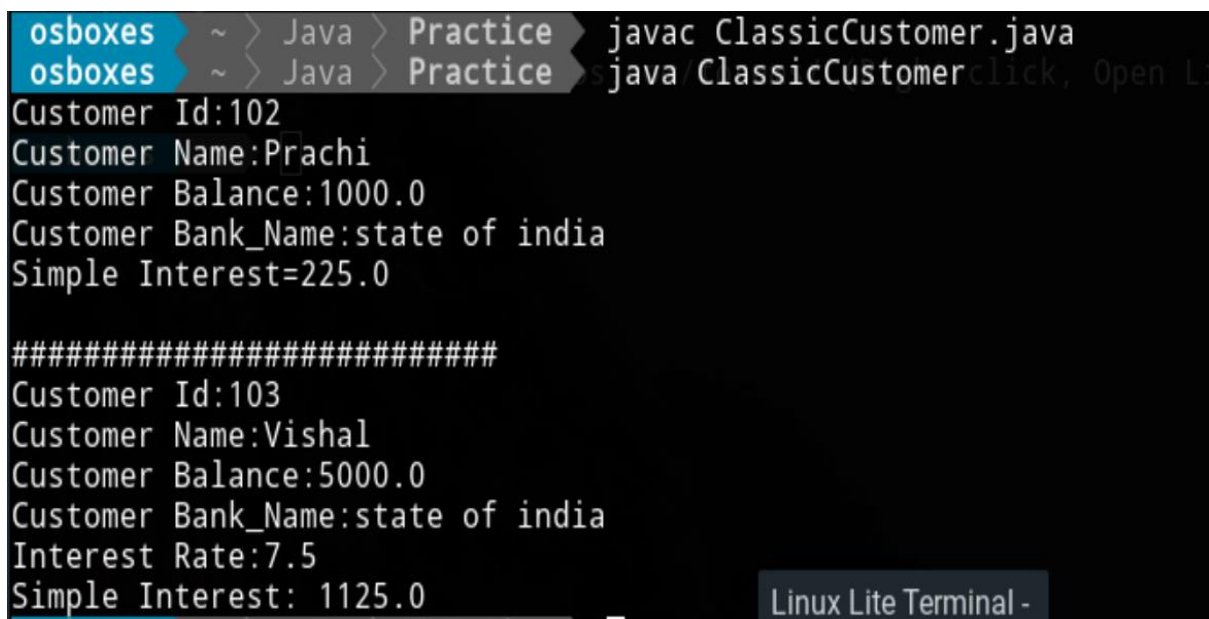
```java
//cl.display();

//cl.calInterest();

//System.out.println();

//System.out.println("#########################");

Customer c=new Customer(102,"Prachi",1000);

c.display();

c.calInterest();

System.out.println();

System.out.println("#########################");

Customer c1=new ClassicCustomer(103,"Vishal",5000,7.5);    //runtime polymorphism

c1.display();

c1.calInterest();

}

}
```

Output: