**Slip6**

[October 31, 2023](https://nilambariblogfortybsc-cs.blogspot.com/2023/10/slip6.html)

 Q1) Write a program to display the Employee(Empid, Empname, Empdesignation, Empsal) information using toString(). [10 marks]

class Employee

{

 int Empid,Empsal;

 String Empname,Empdesg;

  Employee(int Empid,String Empname,String Empdesg,int Empsal){

 this.Empid=Empid;

 this.Empname=Empname;

 this.Empdesg=Empdesg;

  this.Empsal=Empsal;

 }

 public String toString()

{

 return Empid+"\t "+Empname+"\t "+Empdesg+"\t "+Empsal;

  }

}

class Slip6\_1

{

public static void main(String args[])

{

   Employee s1=new Employee(101,"abc","Manager",20000);

   Employee s2=new Employee(102,"def","Fitter",12000);

    System.out.println("Roll No   Name  Designation Salary");

   System.out.println(s1);

   System.out.println(s2);

}  }

Q2) Create an abstract class “order” having members id, description. Create two subclasses “Purchase Order” and “Sales Order” having members customer name and Vendor name respectively. Define methods accept and display in all cases. Create 3 objects each of Purchase Order and Sales Order and accept and display details.

//Slip6\_2

import java.io.\*;

abstract class order

{

        protected int id;

protected String desc;

        order(int i,String d)

        {

                id=i;

desc=d;

        }

        public void display()

{

System.out.print("Id: "+id+" Description: "+desc);

}

}

class Purchase\_Order extends order

{

        String c\_name,v\_name;

Purchase\_Order(int id,String desc,String c, String v)

        {

                super(id, desc);

c\_name=c;

v\_name=v;

        }

        public void display()

        {

super.display();

 System.out.println(" Customer Name : "+c\_name+" Vendor Name :"+v\_name);

        }

}

class Sales\_Order extends order

{

        String c\_name,v\_name;

Sales\_Order(int id,String desc,String c, String v)

        {

                super(id, desc);

c\_name=c;

v\_name=v;

        }

        public void display()

        {

super.display();

                System.out.println(" Customer Name : "+c\_name+" Vendor Name :"+v\_name);

        }

}

class Ass3SetB\_1

{

        public static void main(String args[]) throws IOException

        {

                BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

                Purchase\_Order[] po=new Purchase\_Order[3];

Sales\_Order[] so=new Sales\_Order[3];

System.out.println("\nEnter Purchase Order Details");

                for(int i=0;i<3;i++)

{

    System.out.println("Enter Id");

    int id=Integer.parseInt(br.readLine());

    System.out.println("Enter Description");

    String na=br.readLine();

    System.out.println("Enter Customer Name");

    String ca=br.readLine();

System.out.println("Enter Vendor Name");

    String va=br.readLine();

    po[i]=new Purchase\_Order(id,na,ca,va);

}

System.out.println("\nEnter Sales Order Details");

                for(int i=0;i<3;i++)

{

    System.out.println("Enter Id");

    int id=Integer.parseInt(br.readLine());

    System.out.println("Enter Description");

    String na=br.readLine();

    System.out.println("Enter Customer Name");

    String ca=br.readLine();

System.out.println("Enter Vendor Name");

    String va=br.readLine();

    so[i]=new Sales\_Order(id,na,ca,va);

}

System.out.println("\nPurchase Order Details");

for(int i=0;i<3;i++)

    po[i].display();

System.out.println("\nSales Order Details");

for(int i=0;i<3;i++)

            so[i].display();

        }

}