Qu 1 : Ietm class Example

```
import java.io.*;
import java.util.*;
class item
{
        int ino;
        String name,dname;
        float price;
        static int cnt = 0;
        item()
        {
                cnt++;
        }

        item(int ino, String name,String dname,float price)
        {
                this.ino = ino;
                this.name=name;
                this.dname = dname;
                this.price = price;
                cnt++;
        }

        void display()
        {
                System.out.println("Id is = " +this.ino + "\n Item name = " +
this.name +"\n Department name= "+this.dname +"\n Price = "+this.price + "\n number
of object created =" +cnt);
}

        public static void main(String args[])
        {
                item i= new item();
                i.display();
                item i1= new item(123,"Pen","Stationary",100);
                i1.display();
        }
}
```

Qu 2: Number even / odd/positive / negative

```
import java.util.*;
class mynumber
{
        private int n;

        mynumber()
```

```
        {
                n = 0;
        }

        mynumber(int n)
        {
          this.n= n;
        }

        public void ispositive(int x)
        {
                if(x>0)
                        System.out.println("Positive");

        }
        public void isnegative(int x)
        {
                if(x<0)
                System.out.println("Negative");
        }


        public void iseven(int x)
        {
                if(x%2==0)
                System.out.println("Even");
        }

        public void isodd(int x)
        {
                if(x%2==1)
                        System.out.println("Odd");

        }
        public static void main(String args[])
        {
                int n = Integer.parseInt(args[0]);
                mynumber m = new mynumber();
                m.ispositive(n);
                m.isnegative(n);
                m.iseven(n);
                m.isodd(n);
        }
}
```

Qu 3: Search the cusomer name with contact number

```
import java.io.*;
import java.util.*;
class customer
```

```
{

        int cid,n,i;
        String name,cno,address;

        static void search(String cno, customer a[])
        {
                int i,flag = 0;
          for(i=0;i<a.length;i++)
                {
                        if(cno.equals(a[i].cno))
                                {
                                   a[i].display();
                                    flag = 1;
                                }
                }
                if (flag == 0)
                                System.out.println("Record not found");
         }

        void display()
        {
                System.out.println("cid = " + cid +"\n Name is = "+name +"\n Adress
is ="+address+"\n Contact number is =" +cno);
        }
        public static void main(String args[])
        {
                int n,i;
                String number;
                Scanner sc =new Scanner (System.in);
                System.out.println("How many customer you want");
                n = sc.nextInt();
                customer c[]=new customer[n];
                for(i=0;i<n;i++)
                {
                        c[i]=new customer();
                        System.out.println("Enter the cid");
                        c[i].cid = sc.nextInt();
                        System.out.println("Enter the name");
                        c[i].name = sc.next();
                        System.out.println("Enter the address");
                        c[i].address = sc.next();
                        System.out.println("Enter the contact number");
                        c[i].cno = sc.next();
                }
                 System.out.println("********* Customer
Information**************");
                for(i=0;i<n;i++)
                        c[i].display();
                System.out.println("Enter the number which you want to serach");
```

```
                number = sc.next();
                search(number,c);
        }
}
```

Qu 4 : Use of toString() method

```
import java.io.*;
import java.util.*;
class employee
{
        int eid;
        String ename;
        String designation;
        float sal;

        employee(int eid, String ename,String designation, float sal)
        {
                this.eid = eid;
                this.ename= ename;
                this.designation=designation;
                this.sal = sal;
        }

        public String toString()
        {
                return eid+" "+ename+ " "+designation+ "  " +sal;
        }
        public static void main(String args[])
        {
          employee e = new employee(1,"Ninad","Professor",25000);
          employee e1 =new employee(2,"Tanmay","Doctor",30000);
          System.out.println("Employee Information \n" +e);
          System.out.println("Employee Information \n" +e1);

        }
}
```

Qu 5 :: Pearson Information

```
import java.io.*;
import java.util.*;
class pearson
{
        String pname,pan,adhar;

         pearson(String pname, String pan , String adhar)
        {
```

```
          this.pname= pname;
          this.pan = pan;
          this.adhar= adhar;
        }

        void display()
        {
                System.out.println("Pearson name is" +pname + "\n Pearson pan card
number is" +pan + "\n Pearson adhar card number is " +adhar);
        }

        public static void main(String args[])
        {
                int i;
                String pname,pan,adhar;

                pearson p[] = new pearson[5];
                Scanner sc =new Scanner(System.in);
                for(i=0;i<5;i++)
                {
                        System.out.println("Enter the " +(i+1) + "  person
information");
                        System.out.println("Enter the name of pearson");
                        pname = sc.next();
                        System.out.println("Enter the pan number of pearson");
                        pan = sc.next();
                        System.out.println("Enter the adhar card number of
pearson");
                        adhar = sc.next();
                        p[i]=new pearson(pname,pan,adhar);

                }
                System.out.println("********** pearson Information*********");
                for(i=0;i<5;i++)
                        p[i].display();
        }
}
```

Qu 6 :: Employee information.

```
import java.io.*;
import java.util.*;
class emp
{
        int eid;
        String name,dname;
        float salary;
        static int cnt =0;
```

```
        emp()
        {
        cnt ++;
        }
        emp(int eid,String name, String dname, float salary)
        {
          this.eid= eid;
          this.name=name;
          this.dname = dname;
          this.salary = salary;
           cnt++;
        }

        void display()
        {
                System.out.println("emp id is " +eid +"\n Employee name is :" +
name + "\n Employee department is " +dname +"\n Employee salary is " +salary);
        }
        static void count()
        {
           System.out.println("Number of objects created are " +cnt);
        }


        public static void main(String args[])
        {
                int i,n,id;
                String name,dname;
                float salary;
                Scanner sc =new Scanner(System.in);
                System.out.println("****** Default constructor values
are**********");
                emp e1 = new emp();
                e1.display();
                System.out.println("How many employee you want");
                n = sc.nextInt();
                emp e[] = new emp[n];
                for(i=0;i<n;i++)
                {

                        System.out.println("Enter the id");
                        id = sc.nextInt();
                        System.out.println("Enter the name");
                        name = sc.next();
                        System.out.println("Enter the department name");
                        dname = sc.next();
                        System.out.println("Enter the salary");
                        salary = sc.nextFloat();
```

```
                        e[i] = new emp(id,name,dname,salary);

                }

                for(i=0;i<n;i++)
                        e[i].display();
                e1.count();
        }

}
```