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B2 (Hons.)

LAB 2

Q.1

```
class Sample
{
    public static void main(String args[])
    {
        int a=10,b=20,c=30,temp,largest;
        temp=a>b?a:b;
        largest=c>temp?c:temp;

        System.out.println("The largest number is : "+largest);
    }
}
```

OUTPUT:

```
D:\500096923\LAB2\q1>java Sample
The largest number is : 30
```

Q.2

```
class q2
{
    public static void main(String[] args)
    {
        int x = Integer.parseInt(args[0]);
        String op = args[1];
        int y = Integer.parseInt(args[2]);
        int z;
        if (op.equals("+"))
        {
            z = x+y;
        } else if (op.equals("-"))
        {
            z = x-y;
        } else if (op.equals("*"))
        {
            z = x*y;
        } else if (op.equals("/"))
        {
            z = x/y;
        } else
        {
            throw new java.lang.Error("Operator not recognized");
        }
        System.out.println(z);
    }
}
```

OUTPUT:

```
D:\500096923\LAB2\q2>java q2 6 / 3
2
D:\500096923\LAB2\q2>java q2 6 + 2
8
```

Q.3

```
class q3
{
    int id; String name;
    public static void main(String args[])
    {
        Student s1=new Student();
        System.out.println(s1.id);
        System.out.println(s1.name);
    }
}
```

OUTPUT:

```
D:\500096923\LAB2\q3>java q3
0
null
```

Q.4

```
class q4
{
    public static void main(String args[])
    {
        int[] marks = new int[]{98,76,85,93,30,65,48,65,98,59};
        for (int i=0;i<=11;i++){
            if (marks[i] >= 76)
            {
                System.out.println(marks[i]+" DISTINCTION");
            }
            else
            {
                if (marks[i] >= 51 && marks[i] <= 75)
                {
                    System.out.println(marks[i]+" MERIT");
                }
                else
                {
                    if (marks[i] >= 40 && marks[i] <= 50)
                    {
                        System.out.println(marks[i]+" PASS");
                    }
                    else
                    {
                        System.out.println(marks[i]+" FAIL\t\t");
                    }
                }
            }
        }
    }
}
```

OUTPUT:

```
D:\500096923\LAB2\q4>java q4
98 DISTINCTION
76 DISTINCTION
85 DISTINCTION
93 DISTINCTION
30 FAIL
65 MERIT
48 PASS
65 MERIT
98 DISTINCTION
59 MERIT
```