

## Output Questions

```
public static void Q1()
{
    int n=9;
    if(n<10)System.out.println(n++);
    if(n>10 || n<20)
    System.out.println(n++);
    else
    n+=10;
    System.out.println(n);
} //Q1
```

```
public static void Q2()
{
    int i=0, a,b,c;
    a=b=c=0;
    for(i=1; i<=5; i++)
    { switch(i)
    { case 1: a++;
    case 2:
    default:
    case 3: b++;
    case 6: break;
    }
    System.out.println(a+" "+b+" "+c);
    }
} //Q2
```

```
public static void Q3()
{
    int i=0, s=1;
    for(i=1; i<=3; i++);
    s=s+i++;
    System.out.println(s+" "+i);
} //Q3
```

```
public static void Q4()
{
    int n=1, f=1;
    while(n<=4)
    f*=n++;
    System.out.println(f);
} //Q4
```

```
public static void Q5()
{
    int a=5, b=3;
    do{ a=++b;
        System.out.println(a + " " + b);
    }while (a>0);
} //Q5
```

```
public static void Q6()
{
    int a=5+2*2/7%3;
    double b=10/100*25;
    double c=25*10/100;
    double d=25*.1;
    System.out.println(a);
    System.out.println(b);
    System.out.println(c);
    System.out.print(d);
} //Q6
```

```
public static void Q7()
{
    System.out.println(Math.pow(27,1.0/3.0));
    System.out.println(Math.sqrt(4));
    System.out.println(Math.ceil(20.001));
    System.out.println(Math.floor(128.0));
    System.out.println(Math rint(25.49));
    System.out.println(Math.round(15.456));
    System.out.println(Math.abs(12.75));
    System.out.println(Math.ceil(-3.3));
    System.out.println(Math.floor(-7.5));
    System.out.println(Math rint(-3.14));
    System.out.println(Math.round(-15.456));
    System.out.println(Math.abs(-12.75));
    System.out.println(Math.max(1,2));
    System.out.println(Math.min(1.0,2.0));
}
}
```

```
public static void Q8()
{
    int a=5, b=10, c=0;
    c=a++ * ++b;
    System.out.println(a+" "+b+" "+c);
    c=a++ * 2 + 2 * a++;
    System.out.println(a+" "+b+" "+c);
    c=b++ + ++b + b++;
    System.out.println(a+" "+b+" "+c);
}
```

```
a+=a++ + ++a;
b+=++b + b++;
System.out.println(a+ " "+b+ " "+c);
a=100; b=200; c=0;
c=a+b>200?1:2;
System.out.println(c);
c=a>b?a:b/a<b?a:b;
System.out.println(c);
System.out.println(a>b?"ABC":"XYZ");
}
```

```
public static void Q9()
{   int a=5, b=7;
    System.out.println("Sum = "+a+b);
    System.out.println("Pro = "+a*b);
    System.out.println(a+b+" = Sum");
    System.out.println(5 + a>b?a:b);
    char c='A';
    System.out.println(c+a);
    c+=5;
    System.out.println(c);
    System.out.println(c--);
    System.out.println(++c);
    System.out.println('A'-'a');
    System.out.println(90+b);
}
```

```
public static void Q10()
{   String s="CANARA BANK";
    System.out.println(s.indexOf(s.charAt(8)));
    System.out.println(s.compareTo("bank"));
System.out.println(s.equals(("canara").concat("bank")));
    System.out.println(s.substring(3,6));
    System.out.println(s.toLowerCase());
    s.replace("CANARA", "PUNJAB");
    System.out.println(s.startsWith("PUNJAB"));
    System.out.println(s);
    char c='\n';
    System.out.println(Character.isLetterOrDigit(c));
    c='\n';
    System.out.println(Character.isWhitespace(c));
    c='A';
    System.out.println(Character.toUpperCase(c));
}
```

```
public static void Q11()
{   int a[]={1,2,3,4,5};
    for(int i=0; i<a.length-1; i++)
        a[i]=a[i+1];
    for(int i=0; i<a.length; i++)
        System.out.print(a[i]+" ");
    System.out.println();
    for(int i=a.length-1; i>0; i--)
        a[i-1]=a[i];
    for(int i=0; i<a.length; i++)
        System.out.print(a[i]+" ");

}
} //class
```

### Conversion Questions

Q1. if to switch

```
if(n==1 || n==2)
    System.out.println("Good");
else
    if(n==3)
        System.out.println("Fair");
    else
        System.out.println("Poor");
```

Q2. if to the ternary operator

```
if(n>m)
{   s=n/m;
    m++;
}
else
{   s=m/n;
    n++;
}
```

Q3. if to ternary

```
if(a>b)
    if(a>c)
        g=a;
    else
        g=c;
else
    if(b>c)
        g=b;
    else
        g=c;
```

Q4. for to do-while

```
for(int i=1; i<=5; i++)
{ System.out.println(i*i);
}
```

Q5. while to for

```
count=0;
n=256;
while(n>0)
{ d=n%10;
  count++;
  n/=10;
}
```

Q6. switch to ternary

```
{ switch(n%2)
  { case 0: System.out.println("Even");
    break;
    default: System.out.println("Odd");
  }
}
```

END