**Assignment Java Operators(Day 6)**

1. a =5>2!=2||2<5!=5; find output(Ans: 1)
2. a=2>5!=2<5&&8>5==2<5; find output(Ans:1)
3. a=5>8?10:2<5!=1?20:5>2?30:40; find output(Ans:30)
4. Int x,y,z,max;

x=5;y=50;z=20;

if(x>y && x>z)

{

max=x;

}

if(y>x && y>z)

{

max=y;

}

if(z>x && z>y)

{

max=z

}

Find max=?(Ans:50)

5. int a;

a=1;

a = ++a + ++a;

int b= a++;

System.out.println(a);//(ANS:6)

System.out.println(b);(ANS:5)

6.int a;

a=5;

Int b= --a + --a + a--;

a=b++;

System.out.println(a);//(Ans:10)

System.out.println(b);//(Ans:11)

7.int a;

a=1;

a=a++ + a++ + a++;

Find Out=?(Ans:6)

1. WAP to swap 3 value without 4th variable.

Ans:Logic:

Int a=2,b=3,c=4;

a= a+b+c;

b= a-(b+c);

c= a-(b+c);

a= a-(b+c);

Output: a=4,b=2,c=3

9. In the following program, explain why the value "6" is printed twice in a row:

class PrePostDemo {

public static void main(String[] args){

int i = 3;

i++;

System.out.println(i); // "4"

++i;

System.out.println(i); // "5"

System.out.println(++i); // "6"

System.out.println(i++); // "6"

System.out.println(i); // "7"

}

}

( Ans: Because of post increment operator.)

10. What is the difference in between ++x and x++ operator.

ANS: ++x is the pre increment operator in which value is increased first then print.

x++ is the post increment operator in which value is print first and then increment after that.