Output Questions

1.

```
public class Test {
     public static void  main(String[]  args)  {
     System.out.println(System.out.println("hi"));
}
}
```

2.

```
public class Test {
     public static void  main(String[]  args)  {
     int a, b, c;
     a=-3+2*7-4;
     b=a*8+4%5-6;
     c=a+b*3-2%5-4;
     System.out.println(a+" "+b+" "+c);
}
}
```

3.

```
public class Test {
     public static void  main(String[]  args)  {
     int a=2,b=5,c;
     a=a*a++ - --a;
     c=b++ - b--;
     System.out.println("a="+a+",b="+b+",c="+c);
     System.out.println(a++ + ++a * a--);
     System.out.println(b=b++ * b--);
     System.out.println("a="+a+",b="+b+",c="+c);
}
}
```

4.

```
public class Test {
     public static void  main(String[]  args)  {
     System.out.print(011+ 1.94 + "C" + "S");
}
}
```

5.

```
public class Test {
     public static void  main(String[]  args)  {
     System.out.println(2+3+"bc"+'c'+'a');
     System.out.println('c'+'a'+2+3+"bc");
     System.out.println("bc"+'c'+'a'+2+3);
     System.out.println("bc"+('c'+'a')+(2)+3);
}
}
```

6.

```
public class Test {
     public static void  main(String[]  args)  {
     int x = - 4;
     System.out.println(x>>1);
     int y = 4;
     System.out.println(y>>1);
}
}
```

7.

```
public class Test {
     public static void  main(String[]  args)  {
```

	System.out.println(10 + 15 + "Hello"); System.out.println("Hello" + 10 + 15); } }

8.	public class Test {
	public static void main(String[] args) {
	byte b = 10;
	b = b + 10;
	System.out.println(b);
	}
	}

9.	public class Test {
	public static void main(String[] args) {
	int i = 4;
	int j = 21;
	int k = ++i * 7 + 2 - j--;
	System.out.println("k = " + k);
	}
	}

10.	public class Test {
	public static void main(String[] args) {
	int a = 2;
	int b = 3;
	int result = a && b;
	System.out.println(result);
	}
	}

11.	public class Test {
	public static void main(String[] args) {
	int x=-5;
	System.*out*.println(~x);
	}
	}

12.	public class Test {
	public static void main(String[] args) {
	int x=Integer.*MAX_VALUE*;
	System.*out*.println(x>>28);
	}
	}

13.	public class Test {
	public static void main(String[] args) {
	int x=10,y=5;
	System.*out*.println(x++^++y|(x=y)&101);
	}
	}

14.	public class Test {
	public static void main(String[] args) {
	int x=-4,y=4;

	System.*out*.println((x>>>30)+" "+(x>>30)+" "+(y>>1)); } }

15.	public class Test {
	public static void main(String[] args) {
	int x=5;
	int y=x++ + ++x + ++x;
	int z=--y + x++ + y++;
	int p=z++ - (z%10) + (p=z);
	System.*out*.println(x+" "+y+" "+z+" "+p);
	}
	}

16.	public class OperatorEx1 {
	public static void main(String args[]){
	int x=10;
	System.out.println(x++);
	System.out.println(++x);
	System.out.println(x--);
	System.out.println(--x);
	}
	}

17.	public class OperatorEx2 {
	public static void main(String args[]){
	int a=10;
	int b=10;
	System.out.println(a++ + ++a);//10+12=22
	System.out.println(b++ + b++);//10+11=21
	}
	}

18.	public class OperatorEx3 {
	public static void main(String args[]){
	System.out.println(10<<2);
	System.out.println(10<<3);
	System.out.println(20<<2);
	System.out.println(15<<4);
	}
	}

19.	public class OperatorEx4 {
	public static void main(String args[]){
	System.out.println(10>>2);
	System.out.println(20>>2);
	System.out.println(20>>3);
	}
	}

20.	public class OperatorEx5{
	public static void main(String args[]){
	int a=10;
	int b=5;
	int c=20;

	System.out.println(a < b && a < c); System.out.println(a < b & a < c); } }

21.	public class OperatorEx6{
	public static void main(String args[]){
	int a=10;
	int b=5;
	int c=20;
	System.out.println(a < b&&a++ < c);
	System.out.println(a);
	System.out.println(a < b&a++ < c);
	System.out.println(a);
	}
	}

22.	public class OperatorEx7{
	public static void main(String args[]){
	int a=10;
	int b=6;
	int c=30;
	System.out.println(a > b || a < c);
	System.out.println(a > b | a < c);
	System.out.println(a > b || a++ < c);
	System.out.println(a);
	System.out.println(a > b | a ++ < c);
	System.out.println(a);
	}
	}

23.	public class Test{
	public static void main(String args[]){
	int a=4;
	int b=5;
	int x=(a++ < b)?a:b;//5 : 5
	int y=a+b-x;
	System.out.println("x="+x);
	System.out.println("y="+y);
	}
	}

24.	public class OperatorEx9{
	public static void main(String[] args){
	int a=10;
	a+=3;
	System.out.println(a);
	a-=4;
	System.out.println(a);
	a*=2;
	System.out.println(a);
	a/=2;
	System.out.println(a);
	}
	}

25.	public class IntegerConversion{
	public static void main(String args[]){
	long l = 55;
	int i = 44;
	short s = 33;
	byte b = 22;
	i = (int) l;
	s = (short) i;
	b = (byte) s;
	System.out.println("l = " + l);
	System.out.println("i = " + i);
	System.out.println("s = " + s);
	System.out.println("b = " + b);
	}
	}

26.	public class Conversion2 {
	public static void main(String args[]) {
	int i = 132;
	short s = 15;
	byte b = (byte) i;
	int x = b + s;
	System.out.println("Value of x is " + x);
	}
	}

27.	public class IntegerGroupAddition{
	public static void main(String args[]){
	long l = 30;
	int i = 50;
	short s = 60;
	byte b = 70;
	byte sum = (byte)(l + i + s + b);
	System.out.println("Sum = " + sum);
	}
	}

28.	Public class demo1{
	public static void main(String args[]){
	byte y=5,z=-y;
	System.out.println(~y);
	System.out.println(~z);
	y&= ~y;
	System.out.println(y);
	byte x = -1;
	System.out.println(x>>>6);
	byte a=-5,b=-6;
	System.out.println(a|b);
	}
	}

29.	Public class demo2{
	public static void main(String args[]) {
	System.out.println(2!=3 && (7>8 || 6>5));
	System.out.println(!(2!=3) && (7>8 || 6>5));

	System.out.println(3==3 && z>=10)); System.out.println(2!=3 && (7>8 || 6>5)); } }

30.	Public class demo3{
	public static void main(String args[]) {
	int v=10;
	System.out.println(v%=3*4);int x=11;
	System.out.println(-x- -); System.out.println(x);
	x = -x- -;
	System.out.println(x); int y = -x- -;
	System.out.println(x+""+y);
	}
	}

31.	Public class demo4{
	public static void main(String args[]) {
	int x=-11;
	System.out.println(x%2);
	System.out.println(x/2);
	}
	}

32.	FIND Errors
	
	Public class demo5{
	public static voidmain(String args[]) {
	int 1stnum=10,nu-m2=20,3rd num=40;
	System.out.println("/"hello/"");
	byte b=128; float c=2.1; charc='a'; char cc=20;
	System.out.println(cc);
	}
	}

33.	public class Test
	{
	public static void main(String[] args)
	{
	int a = 10;
	System.out.println(a++++);
	}
	}

34.	public class Test
	{
	public static void main(String[] args)
	{
	int a=2;
	int b=4;
	System.out.println(“value of a XOR B:”+(a^b));
	}
	}

35.	`public class Test`
	`{`
	`  public static void main(String[] args)`
	`  {`
	`  int a = 10;`
	
	`  if(++a==11 || ++a==12)`
	`  ++a;`
	`  System.out.println(a);`
	`  }`
	`}`

36.	`public class Test`
	`{`
	`  public static void main(String s[])`
	`  {`
	`  int a, b, result;`
	`  a=10; b=20;`
	`  result=(b>=a);`
	`  System.out.println(result);`
	`  }`
	`}`

37.	`public class Test`
	`{`
	`  public static void main (String[] args)`
	`  {`
	`  int x=20;`
	`  String sup = (x < 15) ? "small" : (x <  22)?`
	`  "tiny" : "huge";`
	`  System.out.println(sup);`
	`  }`
	`}`

38.	`public class Alpha`
	`{`
	`  public static void main(String args[])`
	`  {`
	`  int a=12+21*3-9/2;`
	`  int b=14-32*4+175/8-3;`
	
	`  boolean p=(++a>71&&--b<20);`
	`  System.out.println(p);`
	`  boolean p1=(b-- == -99 || a-- > 100);`
	`  System.out.println(p1);`
	
	`  }`
	`}`

39.

```
public class Alpha
{
   public static void main(String[] args)
   {
          char a = 'A';
         System.out.println(++a +" "+ (int)a++);
    }
}
```

40.

```
public class Alpha
{
   public static void main(String[] args)
   {
        float x=5.3f;

        boolean p=(x==5.3);
           System.out.println(p);
   }
}
```

41.

```
public class Alpha
{
    public static void main(String[] args)
    {
             int temp = 9;
              int data = 8;
        System.out.println(temp & data);
        System.out.println(temp | data);
        System.out.println(temp ^ data);
    }
}
```

42.

```
public class Alpha
{
public static void main(String[] args)
{
        double d1 = 123.456;
       double d2 = 12_3.4_5_6;
       double d3 = 12_3.4_56;
       System.out.println(d1);
       System.out.println(d2);
       System.out.println(d3);

 }
}
```

43.

```
public class Test1 {

    public static void main(String[] args) {
         int x = 7;
          int y = 4;
         x+=4/3+x--+y+++x+++y--;
          System.out.print("x ="+x);
          System.out.print("y ="+y);
    }
```

	} }

44.	public class Test2
	{
	
	public static void main(String[] args)
	{
	int a, b = 10;
	a = -b --;
	System.*out*.println("a ="+a);
	System.*out*.println("b ="+b);
	}
	}

45.	Which of the following are the legal identi_ers: (a) int a; (b) int :b; (c) int ____2_w; (d) int e#; (e) int this_is_a_very_detailed_name_for_an_identifier; (f) int $c; (g) int -d; (h) int -$; (i) int .f ; (j) int 7g;

46.	public class Test3 {
	
	public static void main(String[] args)
	{
	int i = 1;
	byte b = i;
	System.*out*.print("b ="+b);
	}
	}

47.	public class Test4
	{
	public static void main(String[] args)
	{
	int a = 4, b=2;
	a*=a/b;
	System.*out*.print("a ="+a);
	System.*out*.print("b ="+b);
	}
	}

48.	public class Alpha { public static void main(String[] args) { int x = 5 ;

	x = x << 3 + 2 ; System.out.println(" x = " + x); } }

49.	public class Alpha
	{
	public static void main(String[] args)
	{
	int x = 5 ;
	boolean r = x <2 && ++x > 4;
	System.out.println(" r = " + r + " x = "
	+ x);
	}
	}

50.	In which format -ve numbers are represented in computer memory ? a) 1's Complement format b) 2' Complement format c) Original binary equivalent of the number d) none of the above

51.	public class increment
	{
	public static void main(String args[])
	{
	double var1 = 1+5;
	double var2 = var1/4;
	int var3 = 1+5;
	int var4 = var3/4;
	
	System.out.print(var2 + " "+ var4);
	}
	}

52.	public class p1 {
	
	public static void main(String[] args)
	{
	
	int a=10, b=9;
	boolean k;
	k=(a<b) && (++b==a);
	System.*out*.println(b);
	
	}
	
	}

53.	public class p2 {
	
	public static void main(String[] args)
	{
	
	final int a = 10;
	int b = ++a;
	System.*out*.println(b);
	
	}
	
	}

54.	public class p3 {
	
	public static void main(String[] args)
	{
	System.*out*.println((10|5)+"-"+ (10|6));
	
	}
	
	}

55.	public class p4 {
	
	public static void main(String[] args)
	{
	
	String s1 = "ITER";
	String s2 = "ITER";
	System.out.println("s1 == s2 is:" + s1 == s2);
	}
	}

56.	public class p5 {
	
	public static void main(String[] args)
	{
	int x = -1;
	System.*out*.println(x>>>29);
	System.*out*.println(x>>>30);
	System*out*.println(x>>>31);
	
	}
	}

57.	public class p6 {
	
	public static void main(String[] args)
	{

	byte x=127; // Line 5
	x= x << 3; // Line 6
	System.*out*.println(x);
	}
	}

58.	public class p7 {
	
	public static void main(String[] args)
	{
	int x=127, y=128;
	x= (x & 3) | y;
	System.*out*.println(x);
	}
	
	}

59.	public class p8 {
	
	public static void main(String[] args)
	{
	int x= 9, y=0;
	System.*out*.println((++x)==10 && (++y)==1);
	}
	
	}

60.	public class p9 {
	
	public static void main(String[] args)
	{
	int x=127; // Line 5
	x+= (x << 3); // Line 6
	System.*out*.println(x);
	}
	
	}

61.	public class p10 {
	
	public static void main(String[] args)
	{
	int x=12, y=7, z=9; // Line 5
	z= (x<y)? (x > z ? z: x) : (y < z ? z: y);
	System.*out*.println(z);
	}
	}

62.	public class p11 {
	
	public static void main(String[] args)
	{
	int ++a=100;

	System.out.println(a++); } }

63.	public class p12 {
	
	public static void main(String[] args)
	{
	int x = 100;
	double y = 100.1;
	boolean b = (x=y); //Line 7
	System.*out*.println(b);
	}
	
	}

64.	With x = 0, which of the following are legal lines of Java code for changing the value of x to 1? 1. x++; 2. x=x+1; 3. x+=1; 4. x=+1;

65.	public class p14 {
	
	public static void main(String[] args)
	{
	
	int x;
	System.*out*.println(x);
	}
	}

66.	public class p15 {
	
	public static void main(String[] args)
	{
	
	double a, b, c;
	a = 3.0/0;
	b = 0/4.0;
	c=0/0.0;
	System.*out*.println(a);
	System.*out*.println(b);
	System.*out*.println(c);
	}
	}

67.	public class p16 {

	public static void main(String[] args)
	{
	
	// the line below this gives an output
	// \u000d System.*out*.println("comment executed");
	
	}
	
	}

68.	public class p17 {
	
	public static void main(String[] args)
	{
	
	int $_ = 5;
	System.out.println($_);
	}
	
	}

69.	public class p18 {
	
	public static void main(String[] args)
	{
	
	String s1 = "abc";
	String s2 = s1;
	s1 += "d";
	System.*out*.println(s1+" "+s2+" "+(s1 == s2));
	}
	}

70.	public class p19 {
	
	public static void main(String[] args)
	{
	int a = 5;
	System.*out*.println(a>>33);
	}
	}

71.	public class p20 {
	public static void main(String[] args)
	{
	int x = 07;
	int y = 08;
	System.*out*.println("" + x + y);
	}
	}