ASSIGNMENT-1

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```
Q1- public class ComplexExample1 {
  public static void main(String[] args) {
    int a = 5;
    int b = 3;
    int c = a++*--b+2*a--/++b;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 5 3 14
Q2-public class ComplexExample2 {
  public static void main(String[] args) {
    int x = 8:
    int y = 2;
    int z = x++ * --y + 2 * x-- / ++y - x++;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 929
Q3-
public class ComplexExample3 {
  public static void main(String[] args) {
    int a = 5;
    int b = 10;
    int c = ++a * b-- + 2 * a++ / --b - a--;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 6 8 54
```

```
Q-4
public class ComplexExample4 {
  public static void main(String[] args) {
    int x = 6;
    int y = 3;
    int z = x++ *--y + 2 * x-- / ++y - x++ + y--;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 7213
Q-5
public class ComplexExample4 {
  public static void main(String[] args) {
    int x = 6;
    int y = 3;
    int z = x++ *--y + 2 * x-- / ++y - x++ + y--;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 7 2 13
Q-6
public class ComplexExample5 {
  public static void main(String[] args) {
    int a = 7;
    int b = 2;
    int c = a--*-b+2*a++/++b-a--+b++;
    System.out.println(a + "" + b + "" + c);
  }
}
```

OUTPUT: 6 3 8

```
Q7
public class ComplexExample6 {
  public static void main(String[] args) {
    int x = 5;
    int y = 2;
    int z = x++ * --y + 2 * x-- / ++y - x++ + y-- * 3;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 6112
Q-8
public class ComplexExample7 {
  public static void main(String[] args) {
    int a = 4;
    int b = 3;
    int c = a++*--b+2*a--/++b-a--+b++*4/2;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 3 4 13
Q-9
public class ComplexExample8 {
  public static void main(String[] args) {
    int x = 5;
    int y = 3;
    int z = x++*--y+2*x--/++y-x+++y--*3/2;
    System.out.println(x + "" + y + "" + z);
```

OUTPUT: 6 2 13

}

}

```
Q-10
public class ComplexExample9 {
  public static void main(String[] args) {
    int a = 6;
    int b = 3;
    int c = a++*--b+2*a--/++b-a--+b++*4/2---a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 4 4 12
Q-11
public class ComplexExample10 {
  public static void main(String[] args) {
    int x = 7;
    int y = 2;
    int z = x++ * --y + 2 * x-- / ++y - x++ + y-- * 3 / 2 - --x;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 714
Q-12
public class AdvancedExample1 {
  public static void main(String[] args) {
    int a = 8;
    int b = 3;
    int c = a++*--b+2*a--/++b-a--+b++*4/2+--a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 6 4 26
```

```
Q-13
public class AdvancedExample2 {
  public static void main(String[] args) {
    int x = 5;
    int y = 3;
    int z = x++*--y+2*x--/++y-x+++y--*3/2+--x;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 5 2 18
Q-14
public class AdvancedExample3 {
  public static void main(String[] args) {
    int a = 6;
    int b = 3;
    int c = a++*--b+2*a--/++b-a--+b++*4/2+--a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 4 4 20
Q-15
public class AdvancedExample3 {
  public static void main(String[] args) {
    int a = 6;
    int b = 3;
    int c = a++*--b+2*a--/++b-a--+b++*4/2+--a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 4 4 20
```

```
0-16
public class AdvancedExample4 {
  public static void main(String[] args) {
    int x = 7;
    int y = 2;
    int z = x++*--y+2*x--/++y-x+++y--*3/2+--x;
    System.out.println(x + "" + y + "" + z);
  }
}
OUTPUT: 7118
Q-17
public class AdvancedExample5 {
  public static void main(String[] args) {
    int a = 8;
    int b = 2;
    int c = a^{+} + b + 2 * a^{+} + / -b - a^{-} + b^{+} * 4 / 2 + + +a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 8 3 35
Q-18
public class AdvancedExample7 {
  public static void main(String[] args) {
    int a = 7;
    int b = 2;
    int c = a--*++b+2*a++/--b-a--+b++*4/2+++a;
    System.out.println(a + "" + b + "" + c);
  }
}
OUTPUT: 7 3 31
```

```
Q-19
public class AdvancedExample10 {
    public static void main(String[] args) {
        int x = 10;
        int y = 3;
        int z = x++ * --y + 2 * x-- / ++y - x++ + y-- * 3 / 2 + --x;
        System.out.println(x + " " + y + " " + z);
    }
}
```

OUTPUT: 10 2 31

Q-20

Give the output of this code

```
int a = 9;
a++;
System.out.println (a);
a -= a - - - a;
System .out.println (a);
```

OUTPUT:10

-10

Q21:

```
int a = 9;
a++;
System.out.println (a);
a- = a-- - --a;
System .out.println (a);
```

OUTPUT:

10

8

```
06/01/24
                   Assignment -1
(1) c= a++ + -b + 2+ a-/++b; find a, b, c values ?
        a=5, b=3
                             a=$4+1=5
C=a++ +-b+2+a-1++b
                               6=343
  c= 4 * 3 + 2 * 5 / 4
   = 4 + 3 + 2 + 1
                 o/p:- a=5, b=3, C=14
    = 14
(1) Z=x++ * -y + 2 * n-1 +ty - n++, where n=8, y=2,
    - find 1, y, z values?
                                    2 = 8 8 $ $9
1 Z = x++ + --y + 2 * x-/++y-x++
                                      y=+12
  Z= 8 x1+2x9/2-8 [Ale to precedence & Amociativity]
   2 = 8+18/2-8
                   0/1: 2=9, 4=2, 7=9
   Z=8+9-8
3 c= ++a * b-- +2 * a++ $-b-a- where a=5 & b=10 find a1b, c?
  C = ++a *b--+2 * a++ /-b- a--
                                   a=$$ $6
                                    6=1098
 c = 6 \times 10 + 2 \times 6/8 - 7
 C = 60+12/8-7
  C = 60+1-7
                  op : a = 6, b = 0, C = 54
  C = 60-6
   C = 54
1 z=n++ x-y+2x2-/++y-2+++y- where n=6, y=3 find a,b,c?
1 7= x++ + -y+2+x-/++y-x+++y-- x=y+y+
  z=6*2+2*+/3-6+3
                                         7=3482
 Z = 12 + 14/3 - 6 + 3
 7 = 12 + 4 - 6 + 3 0 | p = 7 2 13
  Z = 13
(6) c = a - + - - b + 2 + a + + / + + b - a - + b + + where a = + , b = ≥
  c=a-- & --b +2 & a++/++b-a--+ b++
                                    a=#476
 C=++1+2+6/2-7+2
                                        b=4143
 C= 7+12/2-7+2
 C= ++6-4+2
                 0/1:- 6 3 8
  c = 8
```

```
1) z=2++ * -y +2 * 2--/++y - z++ +y-- * 3 Where n=5, y=2
  z=x++ * -y +2 * x=-/++y-x++ +y-- x3
   7=5+1+2+6/2-5+2+3
  7 = 5+12/2-5+6
                   op: 6 1 12
8) (=a++ + -b + 2 * a--/++b-a-- + b++ * 4/2 Where a=4; b=3
  c=4*2+2*5/3-4+3*4/2
                                          b= 3434
  C=8+10/3-4+12/2
                    OP : 3 4 13
  C = 8+3-4+6
9) z= x++ + - y + 2 * x - / + ty - x + + 4 y - * 3/2 Where x=5, y=3.
  c = 13
 2=5*2+2*6/3-5+3*3/2
                                            4=3782
 2=10+12/3-5+9/2
 Z = 10 + 4 - 5 + 4
                      OIP : 6 2 13
 I = 13
10) C=a++ *-b+2 * a--/++b-a--+b++ * 4/2---a Where a=6, b=3.
                                            a=67884
  C=6*2+2+7/3-6+3*4/2-4
                                            b= 32/3/4
  C = 12 + 14/3 - 6 + 12/2 -4
                        0/p = 4 4 12
  C= 12+A 16+6-4
11) Z= x++ * -y +2 * x--/++y - x++ + y-- * 3/2 - -- x Where n=7, y=2.
  c = 12
  2=+ 1+2 +8/2-7+2+3/2-7
 Z=7*1+2 * 8 - 7 + 2* 3 -7
 7=7+16/2-7+6/2-7
 7 = 7 + 8 - 4 + 3 - 7
12) c=a++ * --b + 2 * a--/++b -a--+ b++ * 4/2+ --a Where a=8
  (=8*2+2*9/3-8+3*4/2+6
                                           b=8784
  C = 16 + 18/3 -8+12/2 +6
  C= 16+6-8+6+6
                       0/p: 6 4 26
  C=1172+12
  c = 26
```

```
13) Z = 2++ * --y + 2 * 2-/ ++y - x++ + y-- * 3/2 + --x
 2=5*2+2*6/3-5+3*3/2+5
  Z = 10 + 12/3 - 5 + 9/2 + 5
                          O/P; 5 2 18
Z = 10 + 4 - 5 + 4 + 8
14) C= a++ * -- b + 2 * a-- / ++ b - a-- + b++ * 4/2 + -- a
15) c=6 +2+2+ 7/3-6+3 + 4/2+A
                                         b= 3434
  C = 12 + 14/3 - 6 + 12/2 +4
  C = 12+4-6+6+4
                          OP:-4 4 20
16) 9++ * -- y + 2 * 9-- / ++ y - 9++ + y-- + 3/2 + -- x
  7=7*1+2*8/2-7+2*3/2+7
 Z= 7+16/2-7+6/2+7
                         op: 7 1 18
  Z= ++8-A+3+A
17 c= a- * ++b +2 * a++/--b-a--+b++ * 4/2+ ++a
                                       a=87878
   c=8 +3+2+7/2-8+2+4/2+8
                                       4= 4343
   c = 24 + 14/2 - 8+8/2 + 8
   C = 24 + 7 - 8 + 4 + 8
                          OP + 8 3 35
18) c= a-- * ++b + 2 * a++ / --b - a-- + b++ * 4/2+ ++a
                                         a= 78+4+
  c=++3+2+6/2-7+2+4/2+7
                                          b= 4843
  C= 21+12/2-7+8/2+7
  C=21+6-A+4+A
                          0|p: + 3 31
19) z= x++ + -y + 2+ x-- / ++y - x++ + y-+ 3/2 + -- 2
                                         n= 18 14 10 14 10
  Z=10 x2+2 x 11/3-10+3 x3/2+10
  7=20+22/3-10+9/2+10
  7=20+7-10+4+16
                           opi 10 2 31
  7 = 3
                 a=910 a=1898
20) 0=9;
  att:
                 a = a - (a - - - - - a)
   print(a); //9
                 =10-(10-8)
  print (a);
                  =10-2
                    = 8
```