

## **ASSIGNMENT-1**

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:9 2 9**

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:7 2 13**

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++;  
    }  
}
```

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```
        System.out.println(a + " " + b + " " + c);  
    }  
}
```

**Output:6 3 8**

```
}
```

Q-7

```
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:6 1 12**

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);  
    }  
}
```

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}

**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:7 1 4**

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**

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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**

Q-16

```
public class AdvancedExample4 {
```

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```
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:7 1 18**

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;
```

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```
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**

**9**