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**Batch: G-14 Java**

**Assignment 1 Solution**

**QNo. 1**

```
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:-

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
5 3 14  
PS D:\java course> □
```

**QNo.2**

```
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:-

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
9 2 9  
PS D:\java course> 
```

### QNo. 3

#### Code:

```
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:

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
6 8 54  
PS D:\java course> 
```

### QNo. 4

#### Code:

```
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:**

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
5 3 14  
PS D:\java course> 
```

**QNo.5****Code:**

```
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:**

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
5 3 14  
PS D:\java course> 
```

**QNo.6****Code:**

```
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:**

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
5 3 14  
PS D:\java course> 
```

**QNo.7**

**Code:**

```
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:**

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
6 1 12  
PS D:\java course> 
```

**QNo.8**

**Code:**

```
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:

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
3 4 13  
PS D:\java course> 
```

### QNo.9

#### Code:

```
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:

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
6 2 13  
PS D:\java course> 
```

### QNo.10

#### Code:

```
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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
4 4 12
PS D:\java course> 

```

### QNo.11

#### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
7 1 4
PS D:\java course> 

```

### QNo.12

#### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
6 4 26
PS D:\java course> 

```

### QNo. 13

#### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
5 2 18
PS D:\java course> 

```

### QNo.14

#### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
4 4 20

```

#### QNo.15

##### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
4 4 20

```

#### QNo. 16

##### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
7 1 18
PS D:\java course>

```

#### QNo. 17

##### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
8 3 35
PS D:\java course>

```

#### QNo. 18

##### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
7 3 31
PS D:\java course> 

```

### QNo. 19

#### Code:

```

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:

```

PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)
{ java interfaces }
10 2 31
PS D:\java course> 

```

### QNo. 20

#### Code:

Give the output of this code

```

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

```

```
System.out.println (a);
```

**Output:**

```
PS D:\java course> cd "d:\java course\" ; if ($?) { javac interfaces.java } ; if ($?)  
{ java interfaces }  
10  
10  
PS D:\java course> █
```