

OPERATORS QUESTIONS

Question : What will be the output of the following programs :

(i)

```
public class Test {  
    public static void main(String[] args){  
        int x = 2, y = 5;  
  
        int exp1 = (x * y / x);  
        int exp2 = (x * (y / x));  
  
        System.out.print(exp1 + " , ");  
        System.out.print(exp2);  
    }  
}
```

(ii)

```
public class Test {  
    public static void main(String[] args) {  
        int x = 200, y = 50, z = 100;  
        if(x > y && y > z){  
            System.out.println("Hello");  
        }  
        if(z > y && z < x){  
            System.out.println("Java");  
        }  
        if((y+200) < x && (y+150) < z){  
            System.out.println("Hello Java");  
        }  
    }  
}
```

(iii)

```
public class Test {
    public static void main(String[] args){
        int x, y, z;
        x = y = z = 2;
        x += y;
        y -= z;
        z /= (x + y);
        System.out.println(x + " " + y + " " + z);
    }
}
```

(iv)

```
public class Test {
    public static void main(String[] args){
        int x = 9, y = 12;
        int a = 2, b = 4, c = 6;

        int exp = 4/3 * (x + 34) + 9 * (a + b * c) + (3 + y * (2 + a)) / (a + b*y);

        System.out.println(exp);
    }
}
```

(v)

```
public class Test {
    public static void main(String[] args){
        int x = 10, y = 5;

        int exp1 = (y * (x / y + x / y));
        int exp2 = (y * x / y + y * x / y);

        System.out.println(exp1);
        System.out.println(exp2);
    }
}
```

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