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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");
    }
}</pre>
```

```
(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);
  }
}
```

(\vee)

```
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);
  }
}
```