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");
   }
  }
}
```

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(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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