

RESOLUCIÓN PRIMERA PRÁCTICA CALIFICADA DE POO

Zavalaga Trujillo Jesús Augusto - 18200209

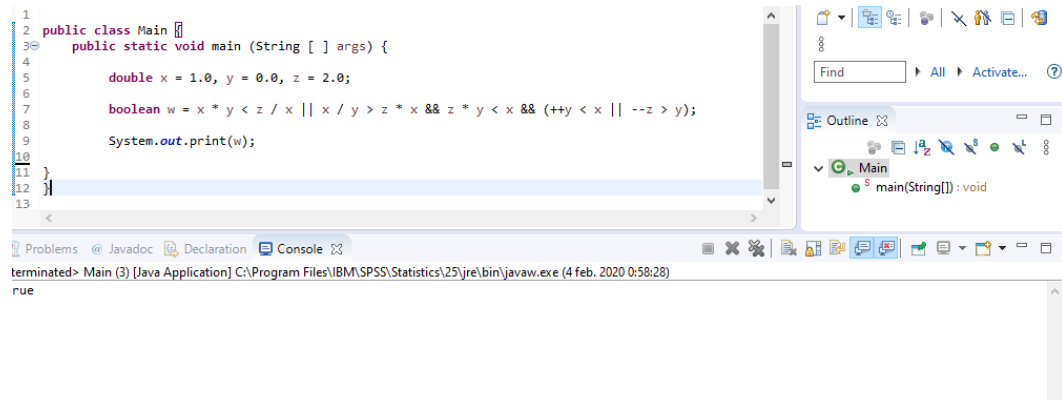
1)

- (E , F) 02 Bytes
- (D , H) 08 Bytes
- (B , G) 04 Bytes
- (I) 01 Byte
- (A) 02 True/False
- (C) 02 Bytes

2)

- A. float
- B. double
- C. double
- D. String
- E. Boolean

3) Se ejecutó el programa:



The screenshot shows an IDE with a Java class named `Main`. The code defines a `main` method that initializes three variables: `x` (double, 1.0), `y` (double, 0.0), and `z` (double, 2.0). It then calculates a boolean expression `w = x * y < z / x || x / y > z * x && z * y < x && (++y < x || --z > y);` and prints the result using `System.out.print(w);`. The IDE interface includes a search bar, an outline view showing the `Main` class and `main(String[]) : void` method, and a console window at the bottom. The console shows the output `terminated> Main (3) [Java Application] C:\Program Files\IBM\SPSS\Statistics\25\jre\bin\javaw.exe (4 feb. 2020 0:58:28)` followed by the result `true`.

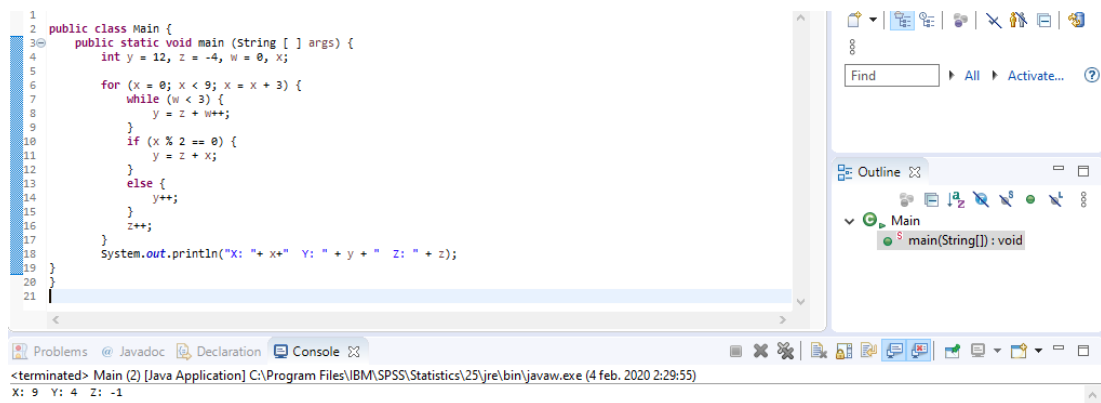
```
1 public class Main {}
2 public static void main (String [ ] args) {
3
4     double x = 1.0, y = 0.0, z = 2.0;
5
6     boolean w = x * y < z / x || x / y > z * x && z * y < x && (++y < x || --z > y);
7
8     System.out.print(w);
9
10 }
11 }
12 }
13 }
```

terminated> Main (3) [Java Application] C:\Program Files\IBM\SPSS\Statistics\25\jre\bin\javaw.exe (4 feb. 2020 0:58:28)

true

- El valor de “w” es: **true**

6) Se ejecutó el programa:



The screenshot shows an IDE with a Java class named `Main`. The code defines a `main` method that initializes `y = 12`, `z = -4`, and `w = 0`. It then enters a `for` loop where `x` increases from 0 to 9. Inside the loop, there is a `while` loop that runs as long as `w < 3`. Within the `while` loop, `y` is updated to `z + w++`. After the `while` loop, there is an `if` statement: `if (x % 2 == 0) { y = z + x; } else { y++; }`. Finally, z is incremented. The code prints the values of x, y, and z at the end of the for loop. The console output shows: X: 9 Y: 4 Z: -1.`

```

1 public class Main {
2     public static void main (String [ ] args) {
3         int y = 12, z = -4, w = 0, x;
4
5         for (x = 0; x < 9; x = x + 3) {
6             while (w < 3) {
7                 y = z + w++;
8             }
9             if (x % 2 == 0) {
10                 y = z + x;
11             } else {
12                 y++;
13             }
14             z++;
15         }
16         System.out.println("X: " + x + " Y: " + y + " Z: " + z);
17     }
18 }
19
20
21

```

Console Output: `X: 9 Y: 4 Z: -1`

- Los valores de x, y, z; son **9, 4, -1** respectivamente.

7)

1. Nombre de clase
2. Protección contra escritura
3. Valor declarado de la cadena 'name'
4. Tamaño del arreglo de tipo 'Course' (*: mayor o igual a 0)
5. Tipo de variable que retorna el método función
6. Parámetro de la función
7. Nombre del método función
8. Visibilidad (+: public, #: protected, -: private)

