

**Tarea: “Evaluación de código”**

Nombre: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Matrícula: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Resolver los siguientes ejercicios y escribir la corrida de escritorio en cada tabla:

**Ejercicio 1**

|  |  |
| --- | --- |
| **i** | **n** |
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|  |  |
|  |  |

int i = 0;

int n = 5;

while (i <= n)

{

if (i % n == 0)

{

i = i + 1;

}

else

{

i = i \* 2;

}

}

¿Cuál es el valor final de **i**? **\_\_\_\_**

**Ejercicio 2**

int a = 10, b = 3, c, bandera = 1;

|  |  |  |  |
| --- | --- | --- | --- |
| **a** | **b** | **c** | **bandera** |
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do

{

c = a % b;

a = b;

b = c;

if (c == 0)

{

bandera = 0;

}

} while (bandera == 1);

¿Cuáles son los valores finales **a** **\_\_\_\_** **b** **\_\_\_\_** y **c** **\_\_\_\_**?

**Ejercicio 3**

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| --- | --- | --- |
| **sum** | **i** | **j** |
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int sum = 0;

for (int i = 0; i < 3; i++)

{

sum = sum + i;

for (int j = 0; j < 3; j++)

{

sum = sum + j;

}

}

Valor de **sum** = **\_\_\_\_**

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| --- | --- | --- |
| **sum** | **i** | **j** |
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**Ejercicio 4**

int sum = 0;

for (int i = 0; i < 3; i++)

{

sum = sum + i;

for (int j = i; j < 3; j++)

{

sum = sum + j;

}

}

Valor de **sum** = **\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **sum** | **i** | **j** |
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* **Ejercicio 5**

int sum = 0;

for (int i = 0; i < 3; i++)

{

sum = sum + i;

for (int j = 3; j > 0; j--)

{

sum = sum + j;

}

}

Valor de **sum** = **\_\_\_\_**