

Exercicis

1. Crea un projecte java que calcule i mostre la suma dels 100 primers nombres

```
package suma100;
public class Suma100 {
    public static void main(String[] args) {
        int i, sum;
        sum=0;
        for(i=1;i<=100;i++){
            sum += i;
        }
        System.out.print("La suma de 100 nombres: "+sum);
    }
}
```

2. Posa un Breakpoint en el lloc adient (sum) i executa 5 vegades el pas a pas, fes captures de pantalla de la finestra variables per vore la evolució de la variable on es guarda el valor de la suma.

```

 * @author yosari
 */
public class Suma100 {
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        int i, sum;
        sum = 0;
        for (i = 1; i <= 100; i++) {
            sum += i;
        }
        System.out.print("La suma de 100 nombres: " + sum);
    }
}
```

es x

Output

Name	Type	
<Enter new watch>		...
Static		...
args	String[]	... #43(length=0)
sum	int	... 15
i	int	... 5

3. Modifica les propietats del Breakpoint per a que s’ature automàticament quan el valor acumulat siga superior a 100, fes una captura de pantalla de la finestra variables.

Breakpoint Properties

Settings

File:

ari/Desktop/1DAM/EDD/suma100/src/suma100/Suma100.java

Line number:

21

Conditions

☒

Condition:

sum>100

☐

Break when hit count is:

Equal to

Actions

Suspend:

Breakpoint thread

Enable Group:

<none>

Disable Group:

<none>

Print Text:

Breakpoint hit at line {lineNumber} in class {className} by th

OK

Cancel

```
* @author yosari
*/
public class Suma100 {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        int i, sum;
        sum = 0;
        for (i = 1; i <= 100; i++) {
            sum += i;
        }
        System.out.print("La suma de 100 nombres: " + sum);
    }

}
```

Output

Name	Type	
<Enter new watch>		
Static		
args	String[]	#43(length=0)
sum	int	105
i	int	15

4. Canvia la condició d’aturada. La nova condició serà que el número a sumar siga major de 34. Fes una captura de pantalla de la finestra variables.

Breakpoint Properties

Settings

File:

Line number:

Conditions

☒ Condition:

☐ Break when hit count is:

Actions

Suspend:

Enable Group:

Disable Group:

Print Text:

OK

Cancel

```

    * @author yosari
    */
    public class Suma100 {

        /**
         * @param args the command line arguments
         */
        public static void main(String[] args) {
            // TODO code application logic here
            int i, sum;
            sum = 0;
            for (i = 1; i <= 100; i++) {
                sum += i;
            }
            System.out.print("La suma de 100 nombres: " + sum);
        }
    }

```

bles ×

Output

Name	Type	
<Enter new watch>		
> Static		...
> args	String[]	... #43(length=0)
sum	int	... 595
i	int	... 35