

TSU Software, Materia: Programación, Clave 50086, Semestre 17-P
Practica 03. Operadores y estructuras de control.

1. Objetivos

Los objetivos buscados en esta practica son los siguientes:

- Reconocer y utilizar los distintos tipos de operadores del lenguaje Java.
- Reconocer y utilizar las distintas estructuras de control del lenguaje Java.
- Utilizar los operadores y estructuras de control para resolver problemas.

2. Ejercicios.

Exercise 1.

Write a program that produces the following output. Use compound assignments.

Input/Output

- **[time limit] 2000ms**
- **[input]**

Constraints:

```
int result = 0;
```

- **[output] string**

```
result is now 3
result is now 2
result is now 4
result is now 2
result is now 10
result is now 3
```

Exercise 2.

Given a number, check if it is odd or even.

Input/Output

- **[time limit] 2000ms**
- **[input]**

A positive number.

Constraints:

$1 \leq \text{number} \leq 1000$,

- **[output] string**

input is "2", then output should be: "Even"

input is "7", then output should be: "Odd"

Exercise 3.

Write a program that displays the name of the month, based on the value of month. using the else ... if statement.

Input/Output

- **[time limit] 2000ms**
- **[input] String**

Number of the month.

Constraints:

1 2 3 4 5 6 7 8 9 10 11 12

- **[output] string**

input is "12", then output should be: "december"

input is "2", then output should be: "february"

Exercise 4.

Write a program that calculates the number of days in a particular month using the switch statement.

Input/Output

- **[time limit] 2000ms**
- **[input] String**

Name of the month.

Constraints:

january february march april may june july august september october
november december

- **[output] string**

input is " february ", then output should be: "29"
input is " april ", then output should be: "30"