

## 1. DATOS INFORMATIVOS

Carrera: Electronica y Automatization

Asignatura: Fundamentos de Programacion

Tema del taller: Algoritmos usando SWITCH

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## 2. DESARROLLO

// Ejercicio 8

// LEER UN CARACTER

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// 19/11/2025

#include <stdio.h>

```
int main() {
```

```
    char c;
```

```
    printf("Ingrese un caracter: ");
```

```
    scanf("%c", &c);
```

```
    switch(c) {
```

```
        // Vocal mayuscula
```

```
        case 'A':
```



```
case 'E':  
case 'I':  
case 'O':  
case 'U':  
  
printf("Es una VOCAL MAYUSCULA.\n");  
break;  
  
//Vocal Minuscula  
  
case 'a':  
case 'e':  
case 'i':  
case 'o':  
case 'u':  
  
printf("Es una VOCAL MINUSCULA.\n");  
break;  
  
default:  
  
//Variable numerica  
if (c >= '0' && c <= '9') {  
  
printf("Es un NUMERO.\n");  
}  
  
//Letras consonante
```

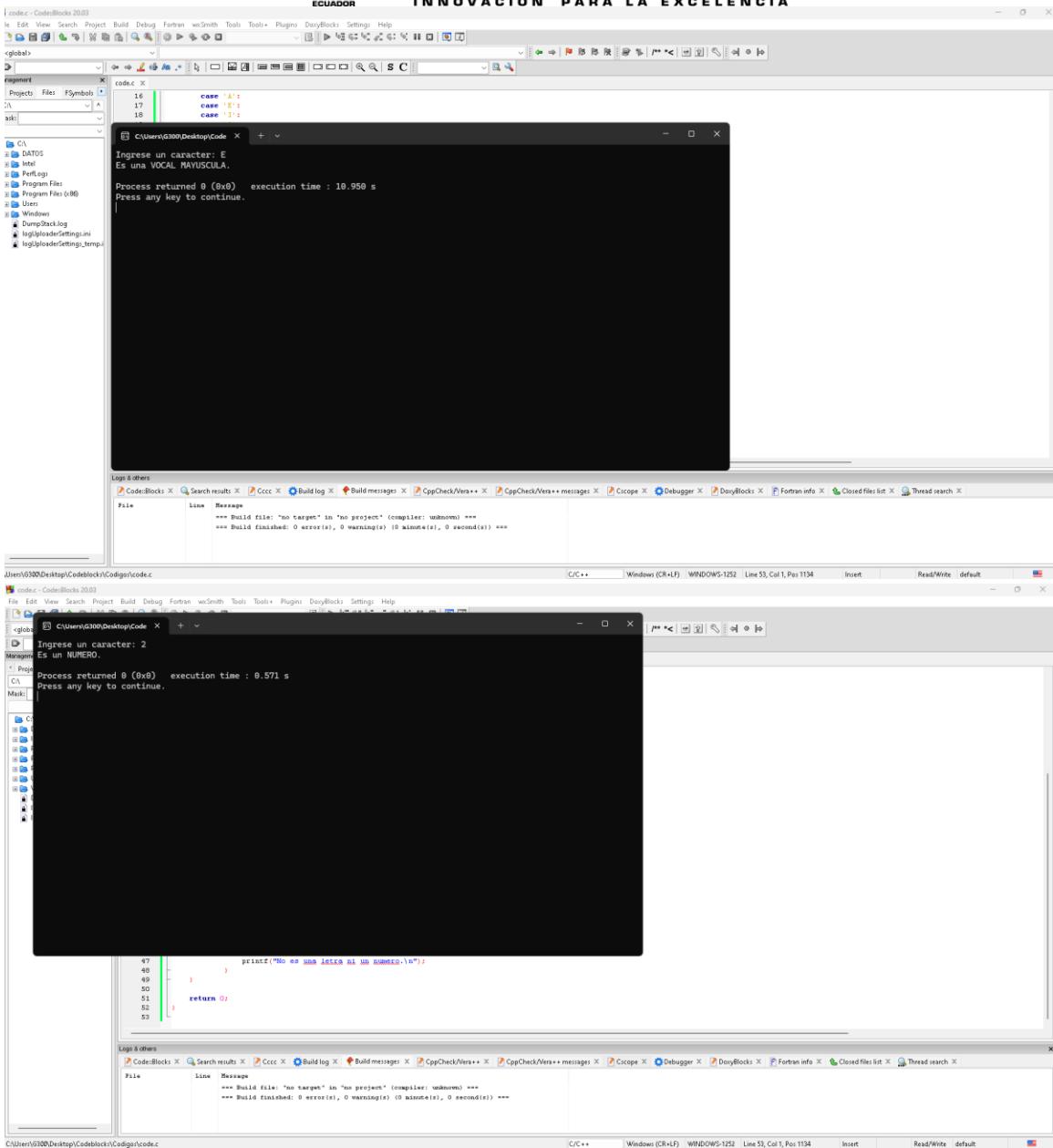


```
else if ((c >= 'A' && c <= 'Z') || (c >= 'a' && c <= 'z')) {  
  
    printf("Es una CONSONANTE.\n");  
  
}  
  
//Cualquier otro carácter que no esté en el rango  
  
else {  
  
    printf("No es una letra ni un número.\n");  
  
}  
  
}  
  
return 0;  
  
}
```

The screenshot shows the Code::Blocks 20.01 IDE interface. The main window displays the terminal output of the program execution. The terminal window title is "C:\Users\b300\Desktop\Code" and contains the following text:  
Ingrese un carácter: a  
Es una VOCAL MINUSCULA.  
Process returned 0 (0x0) execution time : 2.636 s  
Press any key to continue.

The project manager on the left shows a single file named "code.c". The log window at the bottom shows build messages:

```
File      Line   Message  
*** Build file: "no target" in "no project" (compiler: unknown) ***  
*** Build finished: 0 errors(s), 0 warning(s), 0 minute(s), 0 second(s) ***
```



The screenshot displays two separate sessions of the Code::Blocks IDE running on Windows. Both sessions show a terminal window with the following code and output:

```
case 'A':  
case 'E':  
case 'I':  
    ...  
Ingrese un caracter: E  
Es una VOCAL MAYUSCULA.  
Process returned 0 (0x0) execution time : 10.950 s  
Press any key to continue.
```

Below the terminal windows, the IDE's status bar indicates "C/C++" and "Windows (CR+LF) WINDOWS-1252 Line 53, Col 1, Pos 1134".



The screenshot shows the Code::Blocks IDE interface. The terminal window displays the output of a program run:

```
Ingrese un caracter: j
Es una CONSONANTE.

Process returned 0 (0x0) execution time : 2.741 s
Press any key to continue.
```

The code editor window shows the following C++ code:

```
50
51     return 0;
52 }
53 }
```

The log window displays build messages:

```
File      Time   Message
*** Build file: "not target" in "no project" (compiler: unknown) ***
*** Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ***
```