

1. DATOS INFORMATIVOS

Carrera: Electronica y Automatization

Asignatura: Fundamentos de Programacion

Tema del taller: Algoritmos usando SWITCH

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Fecha:19/11/2025

2. DESARROLLO

//Ejercicio 8

//LEER UN CARACTER

//Ederson Gualoto, Darwin Tapia, Alex chuquimarca

//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");
```

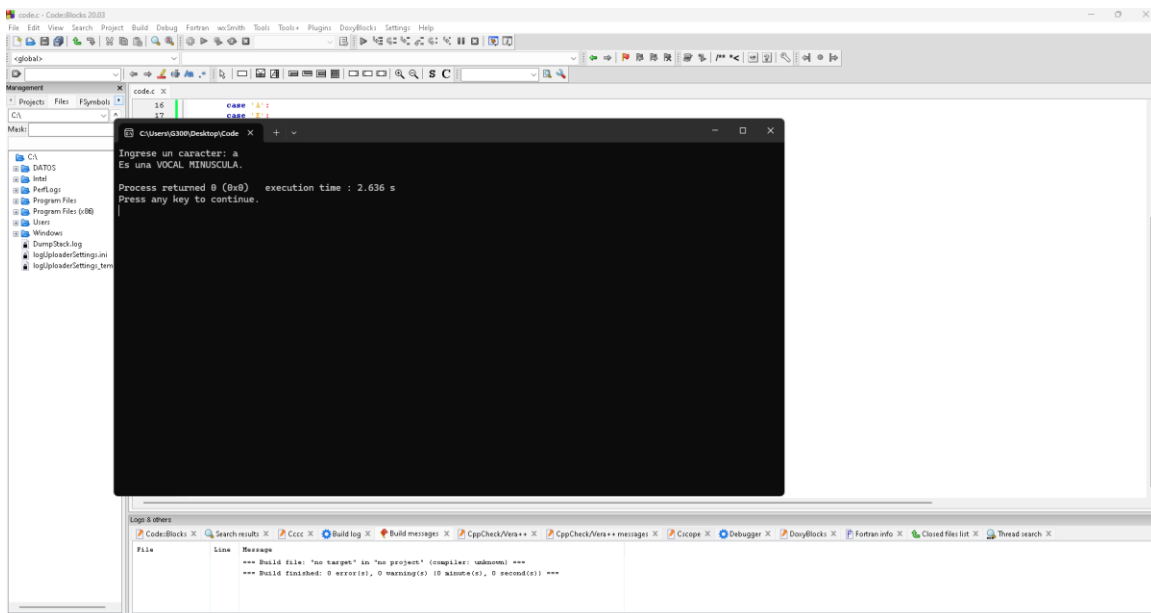
```
}
```

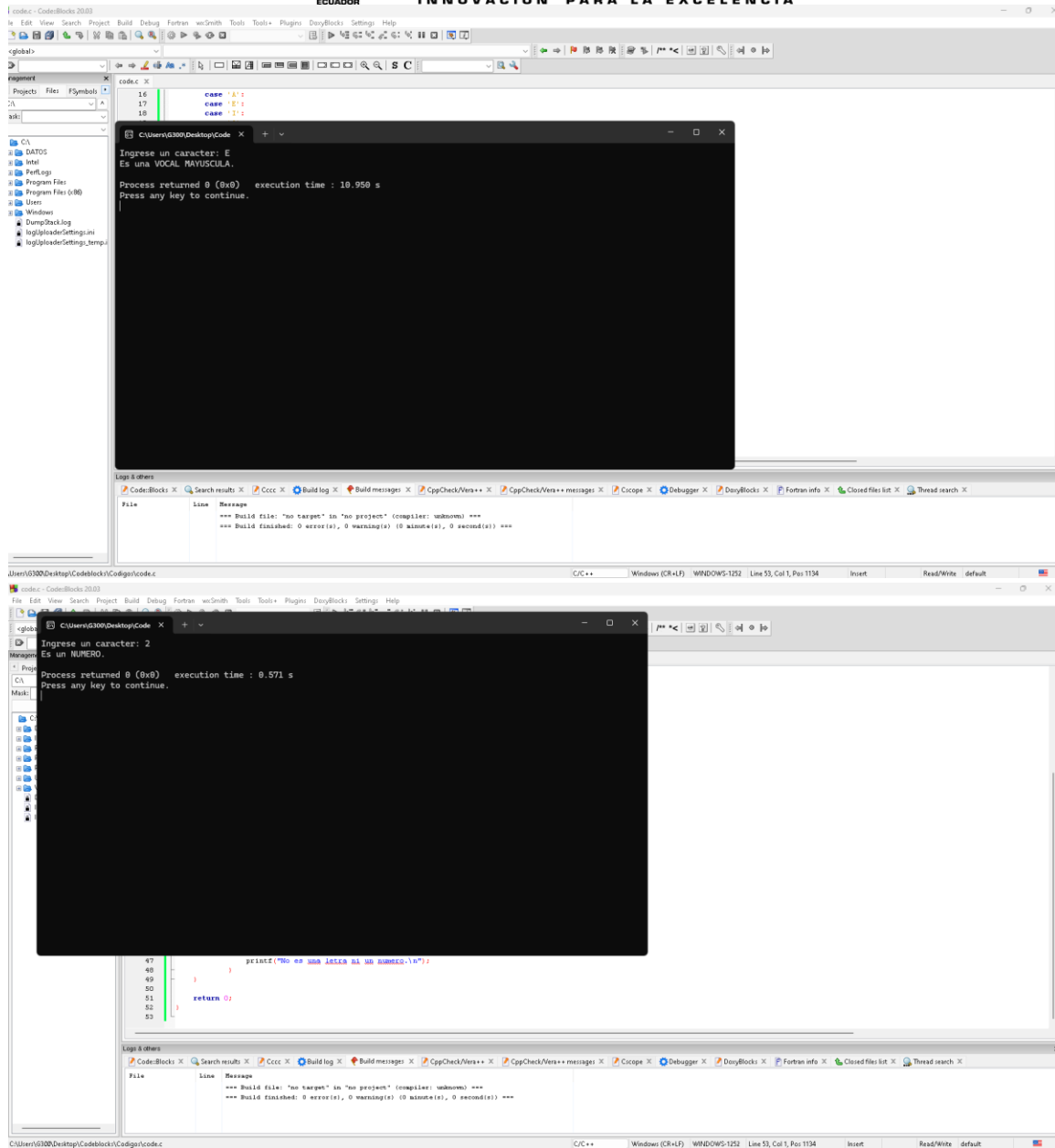
```
//Letras consonante
```



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





The screenshot displays the Code::Blocks IDE interface. The main window shows a C++ program being executed. The program prompts the user to enter a character. The user enters 'E', and the program outputs 'Es una VOCAL MAYUSCULA.' and 'Process returned 0 (0x0) execution time : 10.950 s'. The console window shows the output of the program.

```
16 case 'A':
17 case 'E':
18 case 'I':
```

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

Log & others

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

Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Plugins DsxyBlocks Settings Help

eglob

C:\Users\G300\Desktop\Code\code.c

Ingrese un caracter: 2
Es un NUMERO.
Process returned 0 (0x0) execution time : 0.571 s
Press any key to continue.

```
47 print("No es una letra ni un numero.\n");
48
49
50
51 return 0;
52
53
```

Log & others

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

C:\Users\G300\Desktop\Code\code.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 53, Col 1, Pos 1134 Insert Read/Write default

