

Problem Name : Write a C program to find maximum between two numbers using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int a, b;

    printf("Enter two numbers: ");

    scanf("%d %d", &a, &b);

    if (a > b)

        printf("Maximum = %d\n", a);

    else

        printf("Maximum = %d\n", b);

    return 0;

}
```

Output :

A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\MUNTASIR\Docume' and standard window controls. The command prompt displays the following text: 'Enter two numbers: 5 8', 'Maximum = 8', 'Process returned 0 (0x0) execution time : 6.833 s', and 'Press any key to continue.' The text is in a monospaced font on a black background.

Problem Name : Write a C program to find maximum between three numbers using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int a, b, c;

    printf("Enter three numbers: ");

    scanf("%d %d %d", &a, &b, &c);


    if (a >= b && a >= c)

        printf("Maximum = %d\n", a);

    else if (b >= a && b >= c)

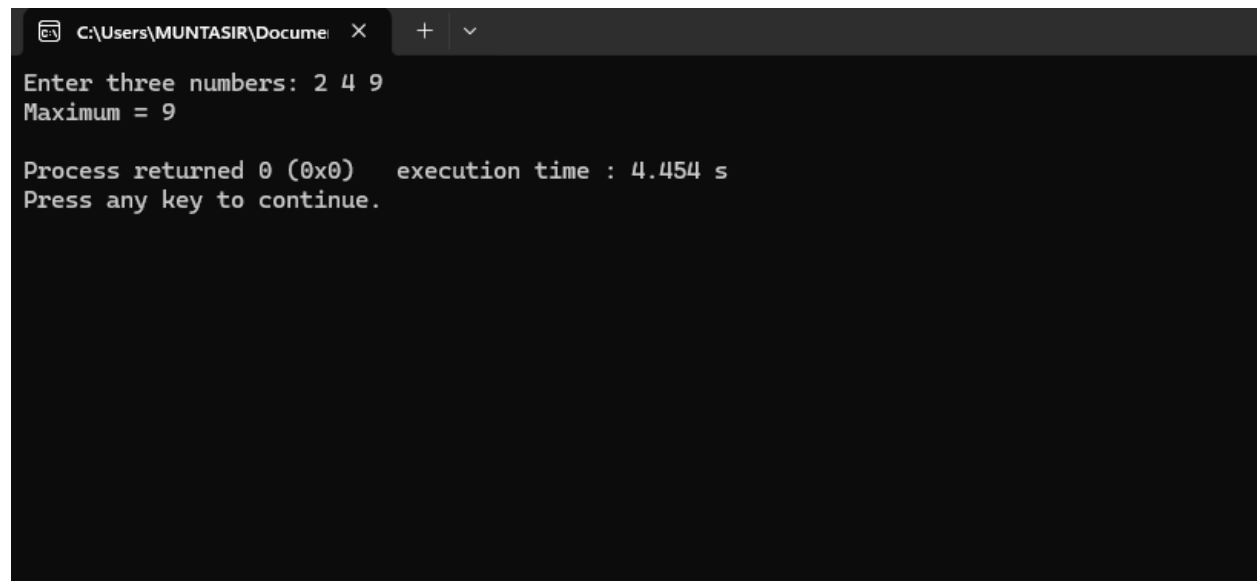
        printf("Maximum = %d\n", b);

    else

        printf("Maximum = %d\n", c);


    return 0; }
```

Output :



```
C:\Users\MUNTASIR\Docume  X  +  v

Enter three numbers: 2 4 9
Maximum = 9

Process returned 0 (0x0)   execution time : 4.454 s
Press any key to continue.
```

Problem Name : Write a C program to check whether a number is negative, positive or zero using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int n;

    printf("Enter a number: ");

    scanf("%d", &n);


    if (n % 2 == 0)

        printf("Even\n");

    else

        printf("Odd\n");


    return 0;

}
```

Output :

A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\MUNTASIR\Docume' and standard window controls. The command prompt displays the following text: 'Enter a number: 6', 'Even', 'Process returned 0 (0x0) execution time : 8.308 s', and 'Press any key to continue.' The text is white on a black background.

Problem Name : Write a C program to check whether a number is divisible by 5 using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int n;

    printf("Enter a number: ");

    scanf("%d", &n);

    if (n % 5 == 0)

        printf("Divisible by 5\n");

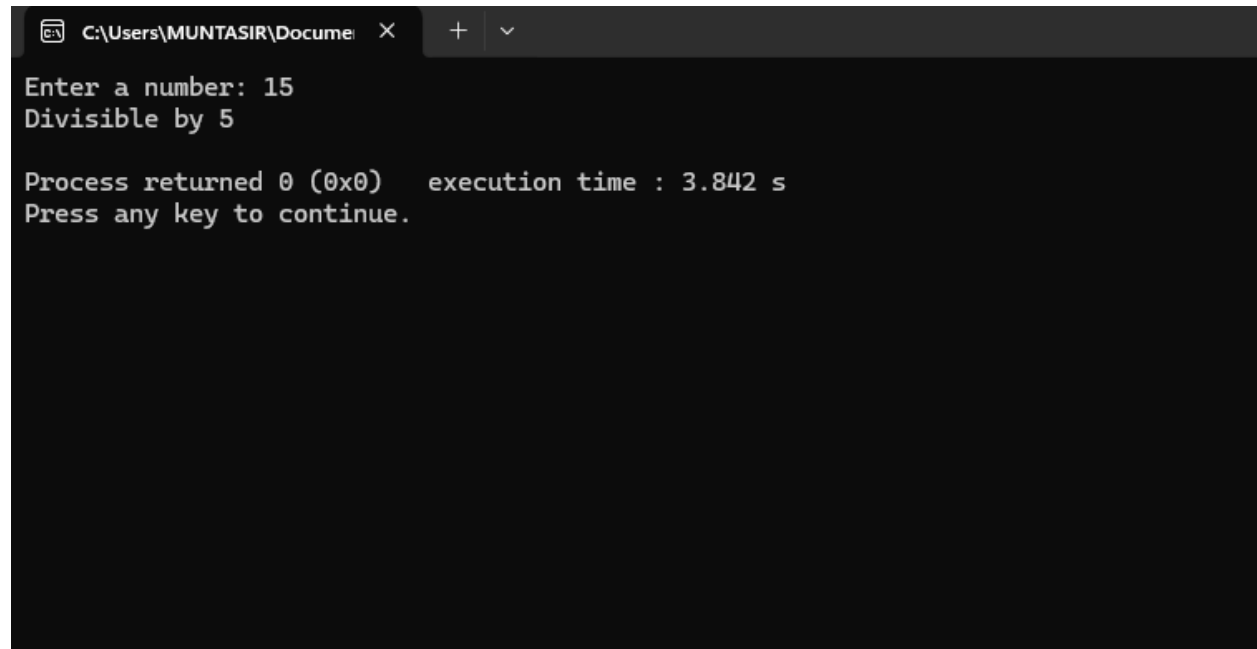
    else

        printf("Not divisible by 5\n");

    return 0;

}
```

Output :



```
C:\Users\MUNTASIR\Docume  X  +  v

Enter a number: 15
Divisible by 5

Process returned 0 (0x0)   execution time : 3.842 s
Press any key to continue.
```

Problem Name : Write a C program to check whether a number is even or odd using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int n;

    printf("Enter a number: ");

    scanf("%d", &n);

    if (n % 2 == 0)

        printf("Even\n");

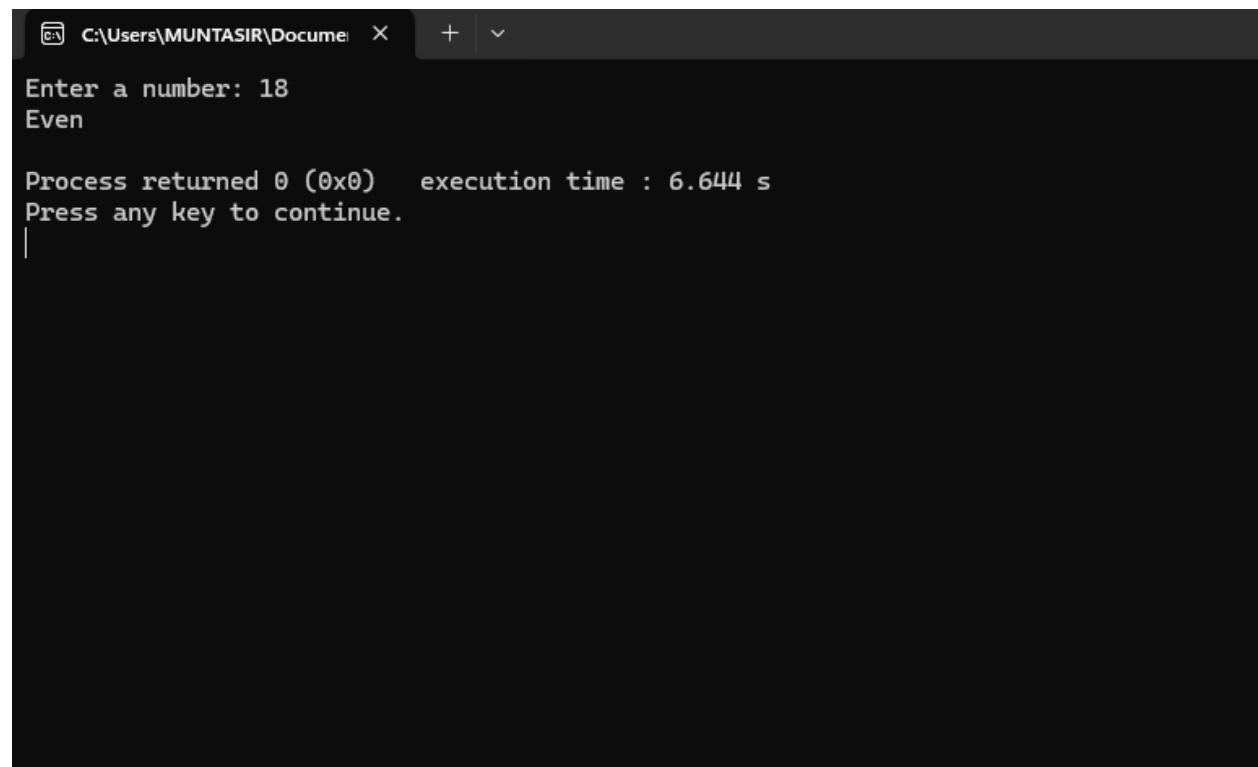
    else

        printf("Odd\n");

    return 0;

}
```

Output :

A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\MUNTASIR\Documents' and standard window controls. The terminal output shows the program's execution: it prompts 'Enter a number: 18', outputs 'Even', and then displays 'Process returned 0 (0x0) execution time : 6.644 s' followed by 'Press any key to continue.' and a cursor on a new line.

```
C:\Users\MUNTASIR\Documents  X  +  v

Enter a number: 18
Even

Process returned 0 (0x0)   execution time : 6.644 s
Press any key to continue.
|
```

Problem Name : Write a C program to check whether a year is a leap year or not using if else.

Source Code:

```
#include <stdio.h>

int main() {

    int year;

    printf("Enter a year: ");

    scanf("%d", &year);


    if ((year % 400 == 0) || (year % 4 == 0 && year % 100 != 0))

        printf("%d is a Leap Year\n", year);

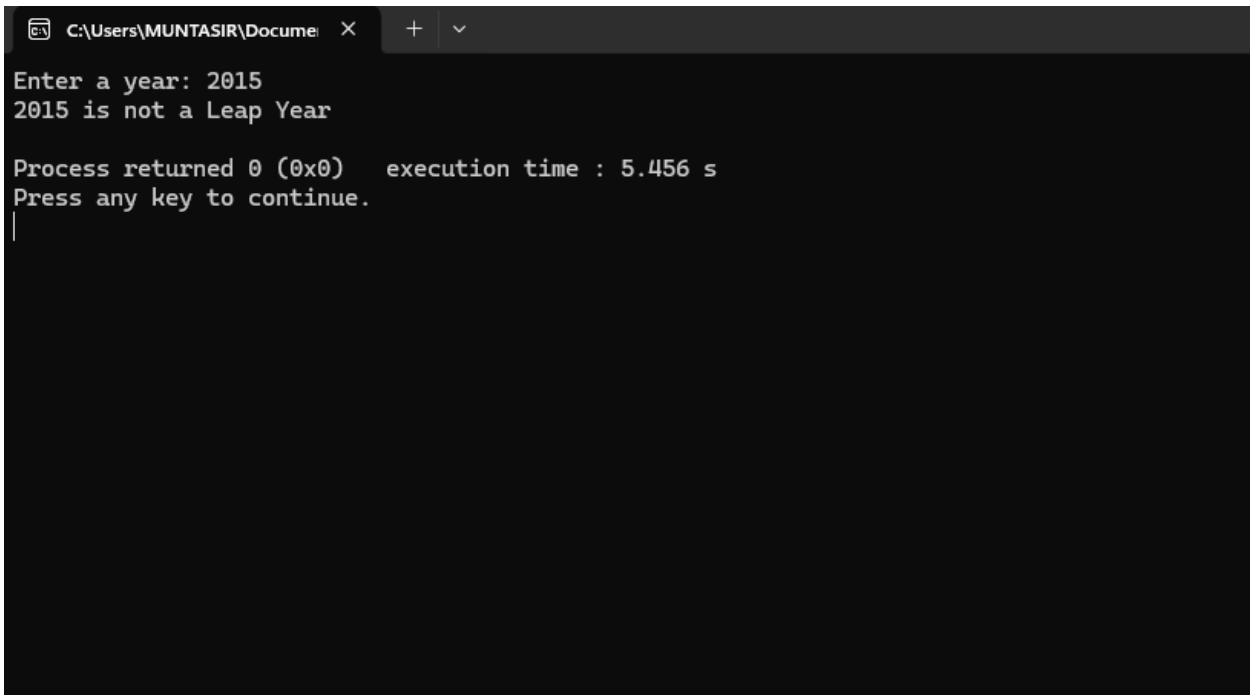
    else

        printf("%d is not a Leap Year\n", year);


    return 0;

}
```

Output :



```
C:\Users\MUNTASIR\Docume  x  +  v

Enter a year: 2015
2015 is not a Leap Year

Process returned 0 (0x0)   execution time : 5.456 s
Press any key to continue.
|
```

Problem Name : Write a C program to check whether a character is an alphabet or not using if else.

Source Code:

```
#include <stdio.h>

int main() {
    char ch;

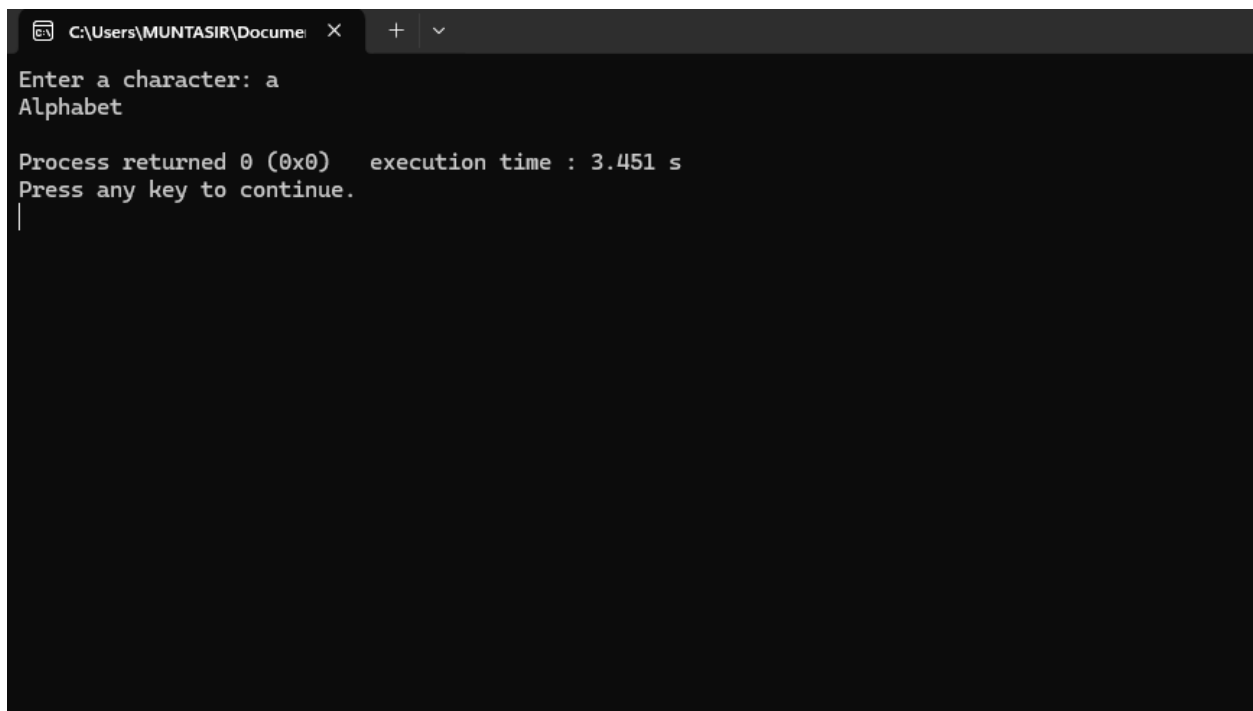
    printf("Enter a character: ");

    scanf(" %c", &ch);

    if ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))
        printf("Alphabet\n");
    else
        printf("Not Alphabet\n");

    return 0;
}
```

Output :



```
C:\Users\MUNTASIR\Documents
Enter a character: a
Alphabet

Process returned 0 (0x0)   execution time : 3.451 s
Press any key to continue.
|
```

Problem Name : Write a C program to check whether a character is a vowel or consonant using if else.

Source Code:

```
#include <stdio.h>

int main() {
    char ch;

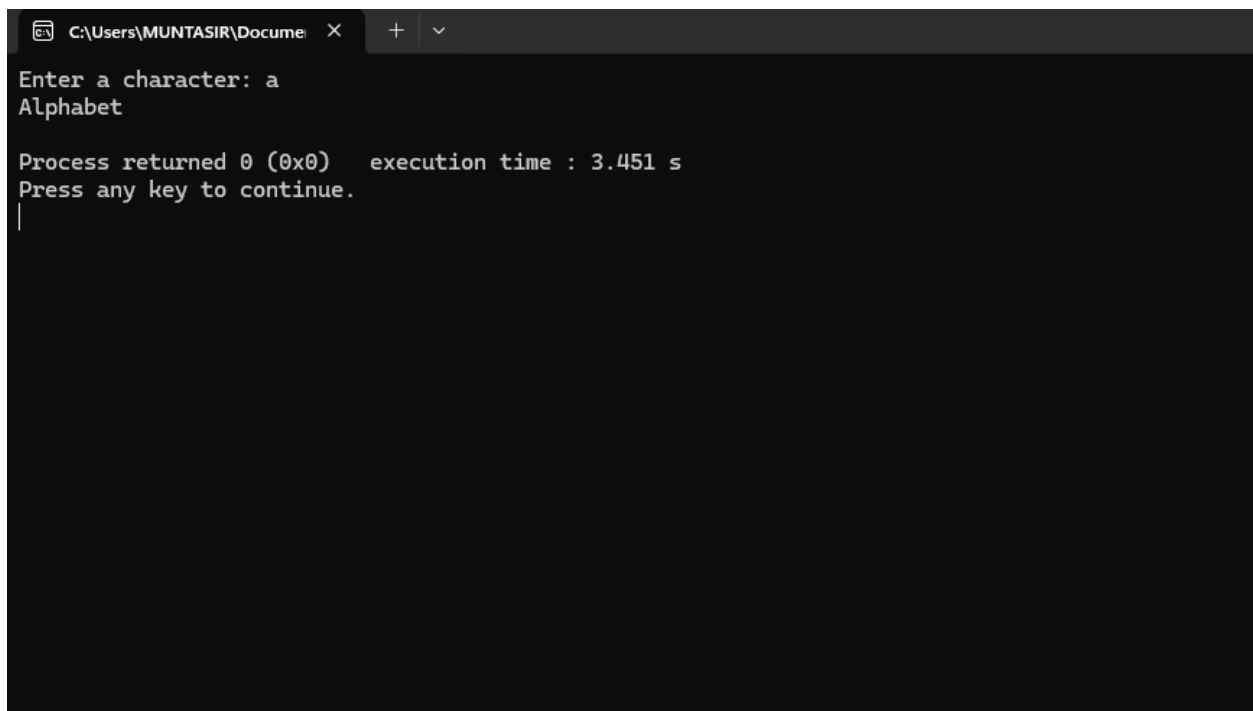
    printf("Enter a character: ");

    scanf(" %c", &ch);

    if ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))
        printf("Alphabet\n");
    else
        printf("Not Alphabet\n");

    return 0;
}
```

Output :



```
C:\Users\MUNTASIR\Docume
Enter a character: a
Alphabet

Process returned 0 (0x0)   execution time : 3.451 s
Press any key to continue.
|
```


Problem Name : Write a C program to check whether a character is an alphabet, digit or special character using if else.

Source Code:

```
#include <stdio.h>

int main() {

    char ch;

    printf("Enter a character: ");

    scanf(" %c", &ch);

    if ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))

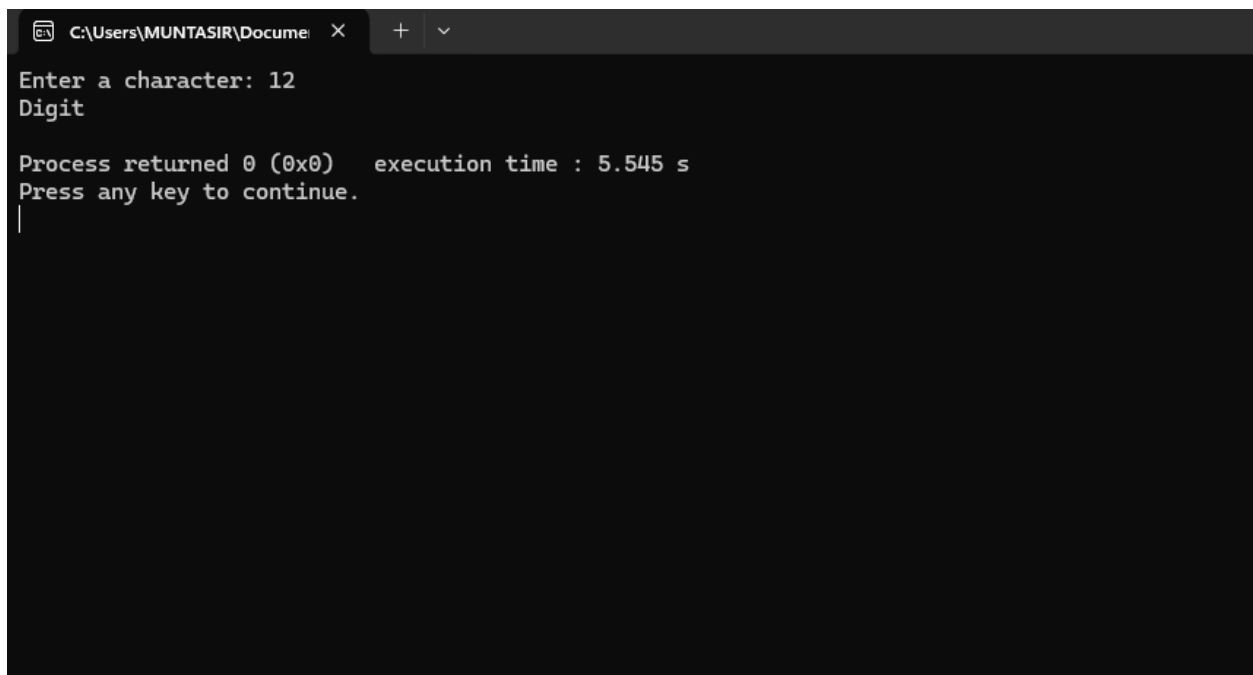
        printf("Alphabet\n");

    else

        printf("Not Alphabet\n");

    return 0; }
```

Output :



```
C:\Users\MUNTASIR\Docume  X  +  v

Enter a character: 12
Digit

Process returned 0 (0x0)   execution time : 5.545 s
Press any key to continue.
|
```

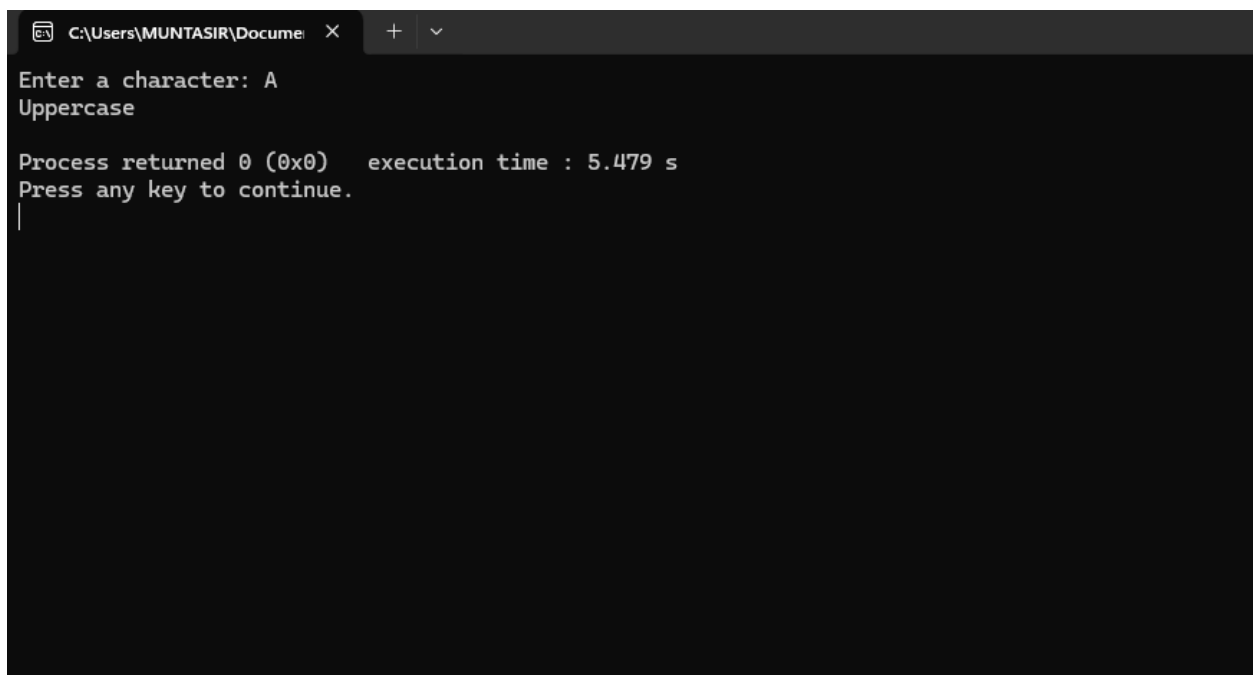
Problem Name : Write a C program to check whether a character is in uppercase or lowercase using if else.

Source Code:

```
#include <stdio.h>

int main() {
    char ch;
    printf("Enter a character: ");
    scanf(" %c", &ch);
    if (ch >= 'A' && ch <= 'Z')
        printf("Uppercase\n");
    else if (ch >= 'a' && ch <= 'z')
        printf("Lowercase\n");
    else
        printf("Not an Alphabet\n");
    return 0;
}
```

Output :



```
C:\Users\MUNTASIR\Docume X + v
Enter a character: A
Uppercase

Process returned 0 (0x0)   execution time : 5.479 s
Press any key to continue.
|
```