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

Source Code:

```c
#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 :

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

Source Code:

```c
#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;  }
```
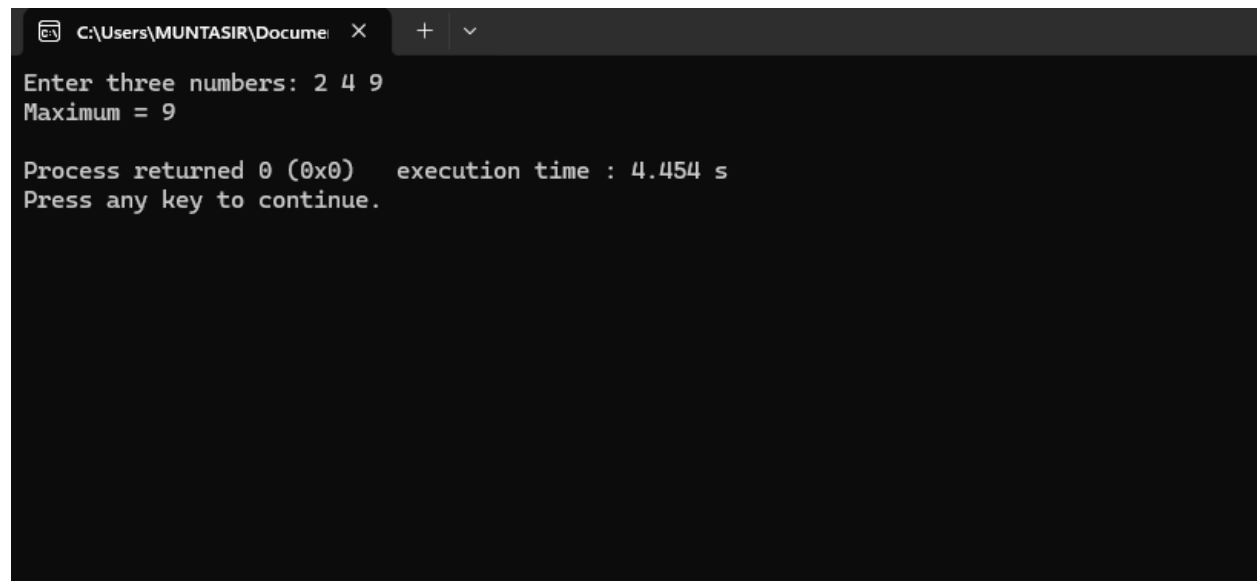
Output :

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

Source Code:

```c
#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 :

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

Enter a number: 6
Even

Process returned 0 (0x0)    execution time : 8.308 s
Press any key to continue.
```

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

Source Code:

```c
#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;
}
```
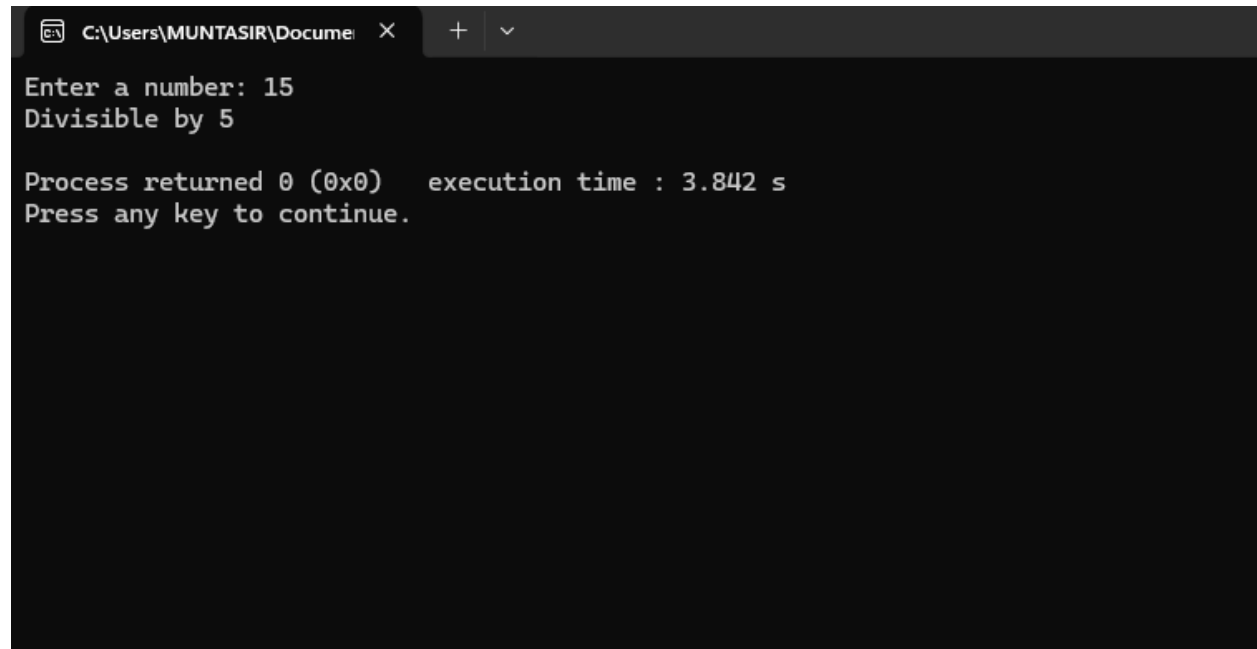
Output :

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

Source Code:

```c
#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;
}
```
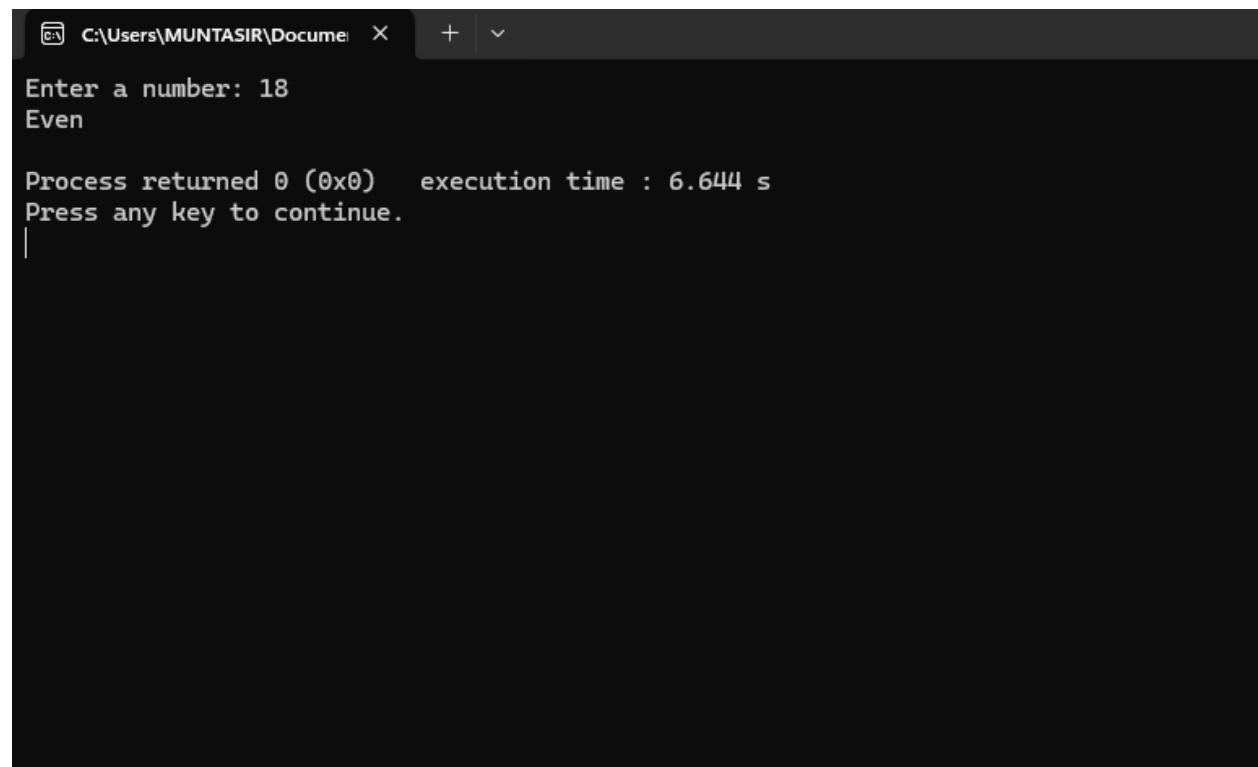
Output :

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

Source Code:

```c
#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;
}
```
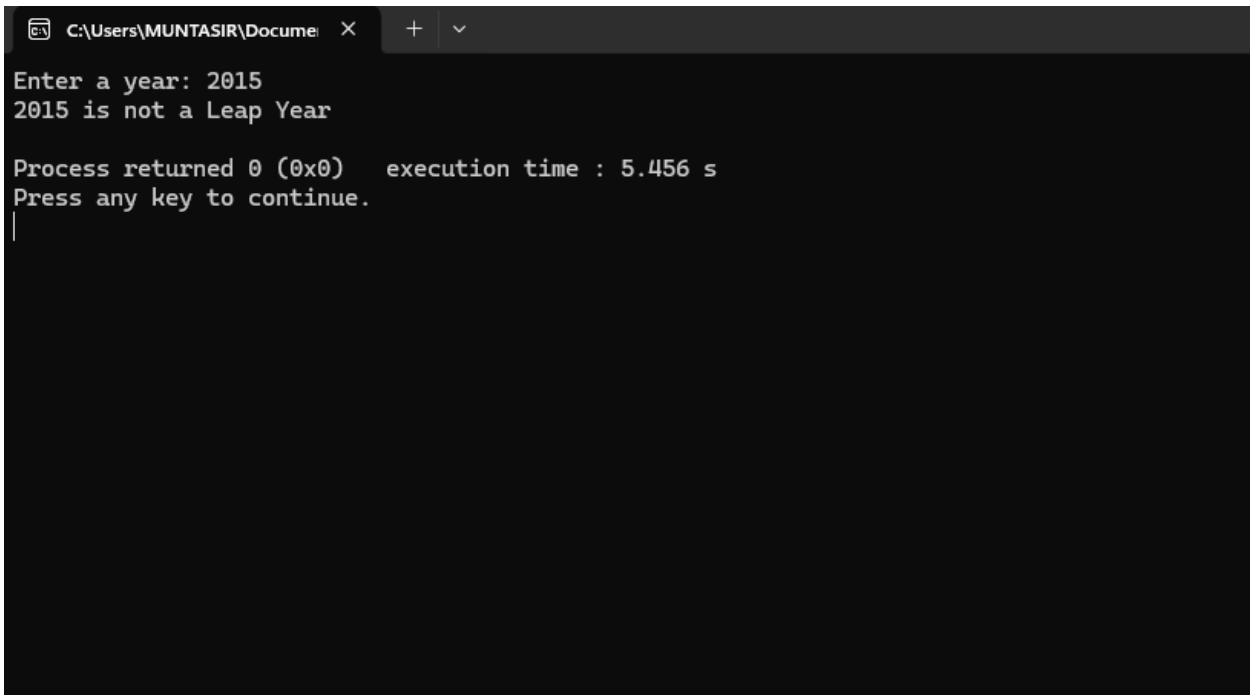
Output :

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

Source Code:

```c
#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;
}
```
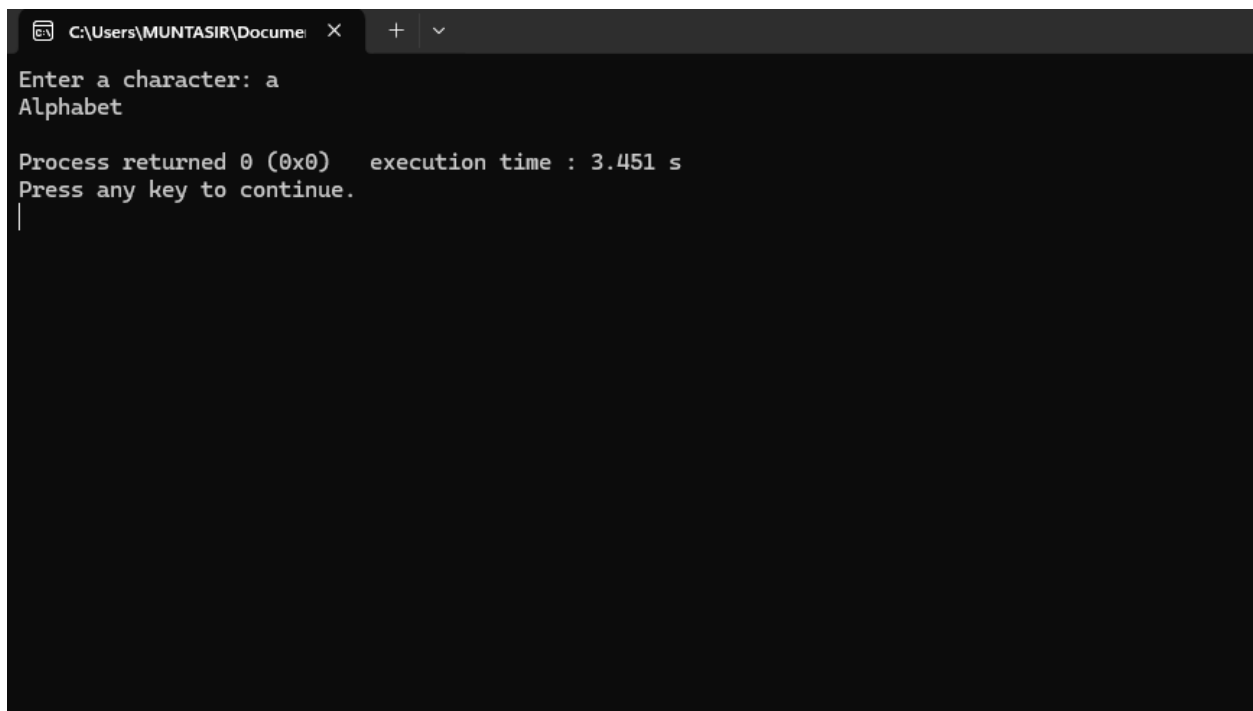
Output :

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

Source Code:

```c
#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;
}
```
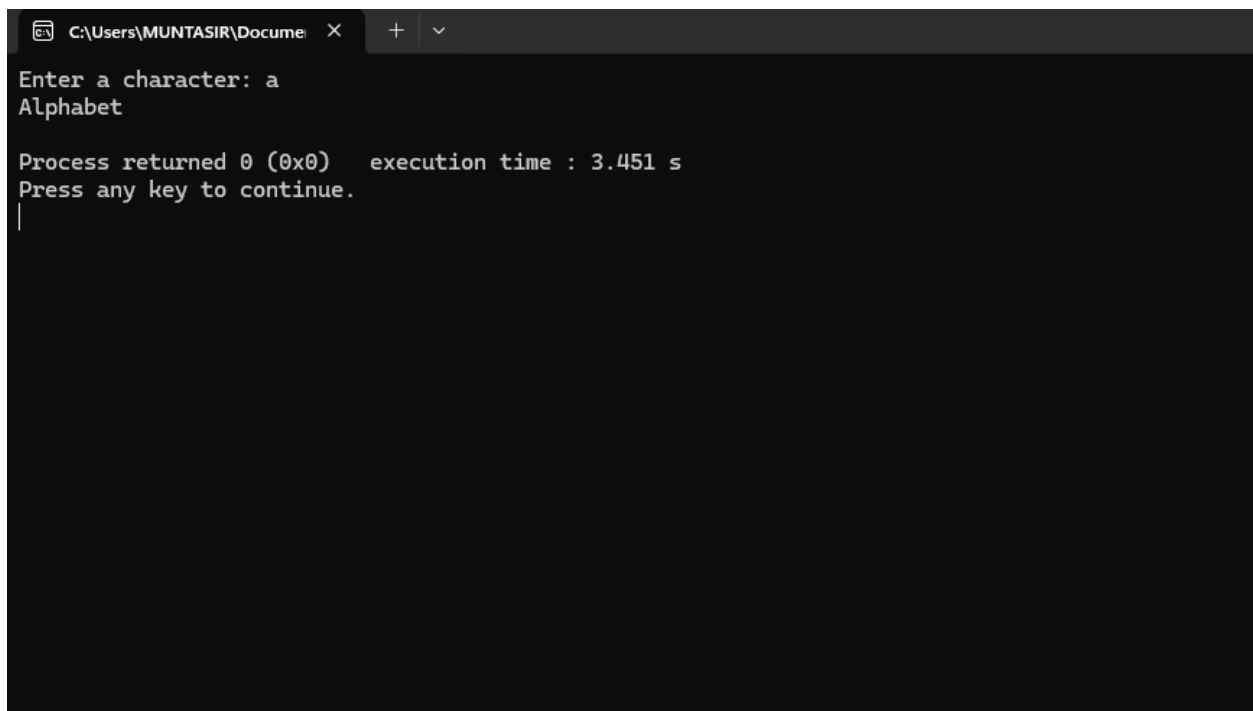
Output :

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 :

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

Source Code:

```c
#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;
}
```
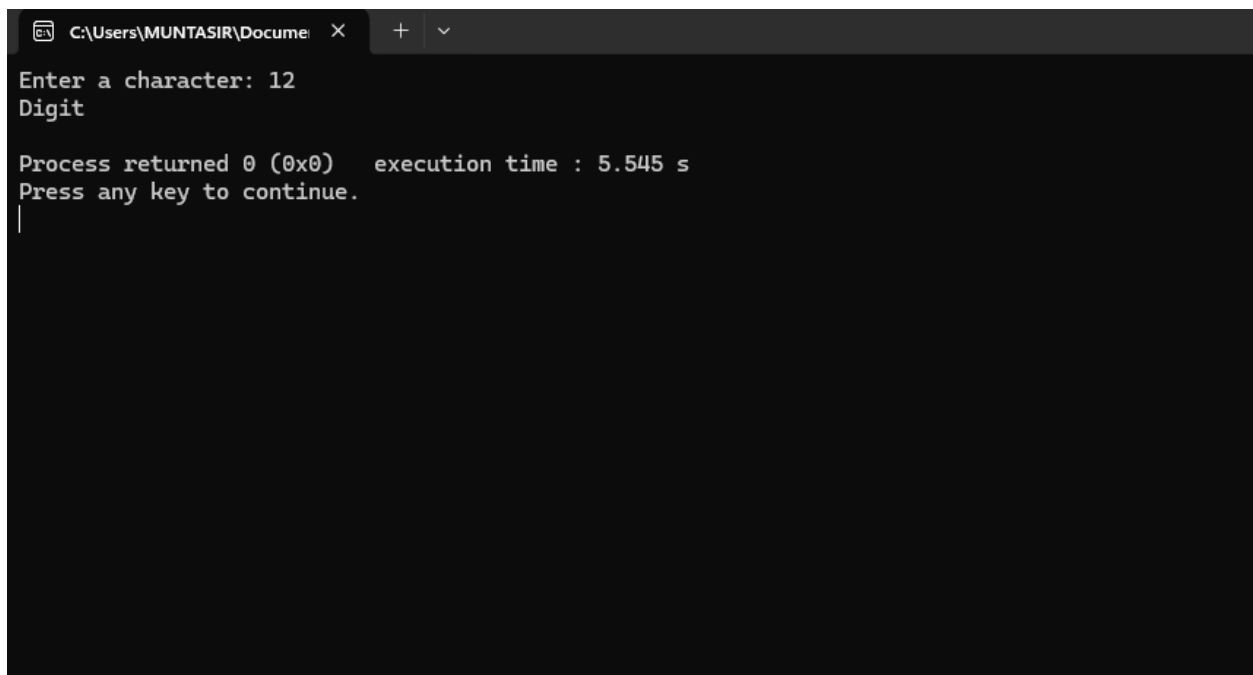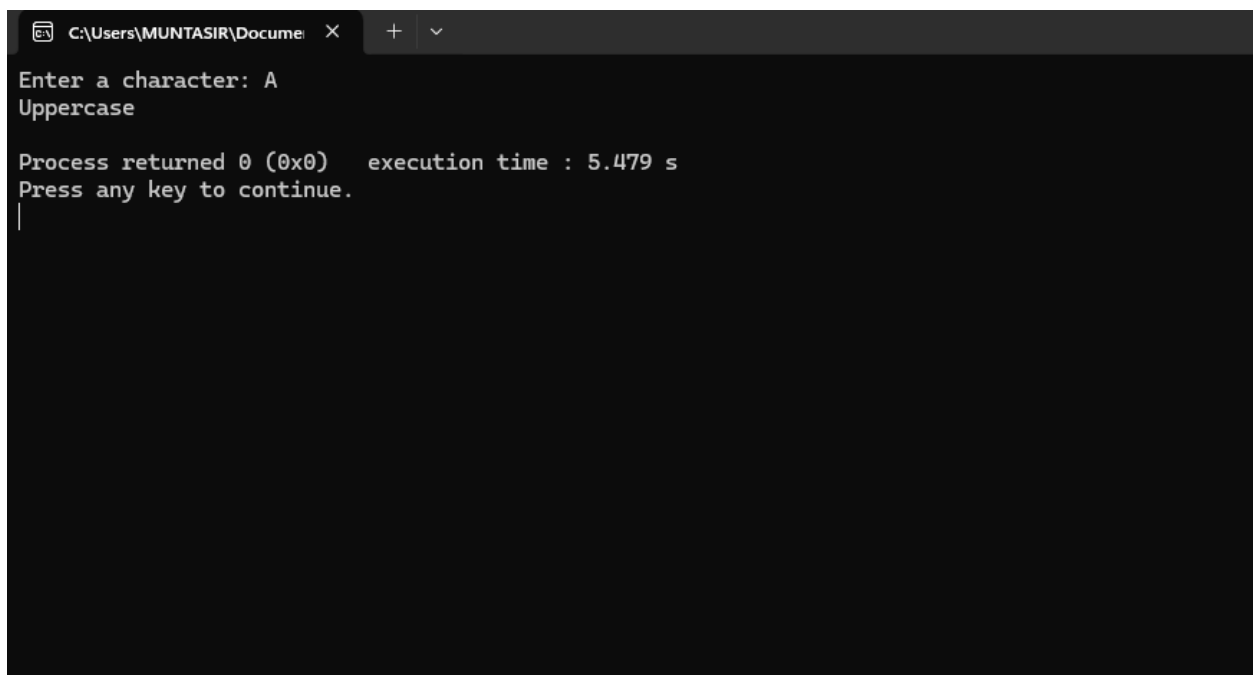
Output :