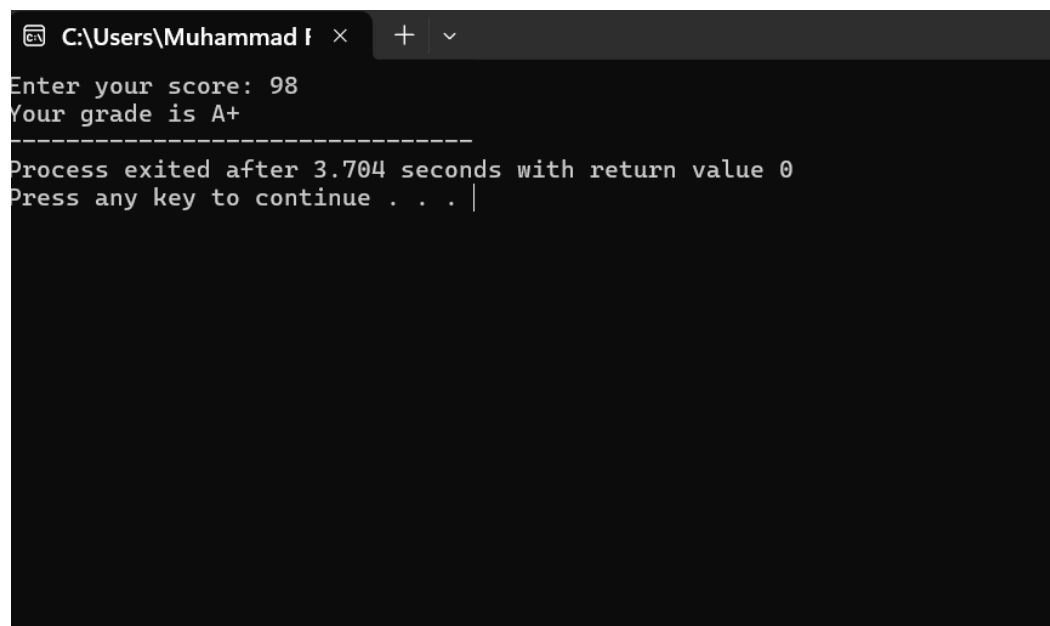


TASK#4

```
#include<stdio.h>

int main()
{
    int score;
    printf("Enter your score: ");
    scanf("%d", &score);

    if (score>=90)
    {
        printf("Your grade is A+");
    }
    else if (score>=80)
    {
        printf("Your grade is B");
    }
    else if (score>=70)
    {
        printf("Your grade is C");
    }
    else if (score>=60)
    {
        printf("Your grade is D");
    }
    else
    {
        printf("Your grade is F");
    }
    return 0;
}
```



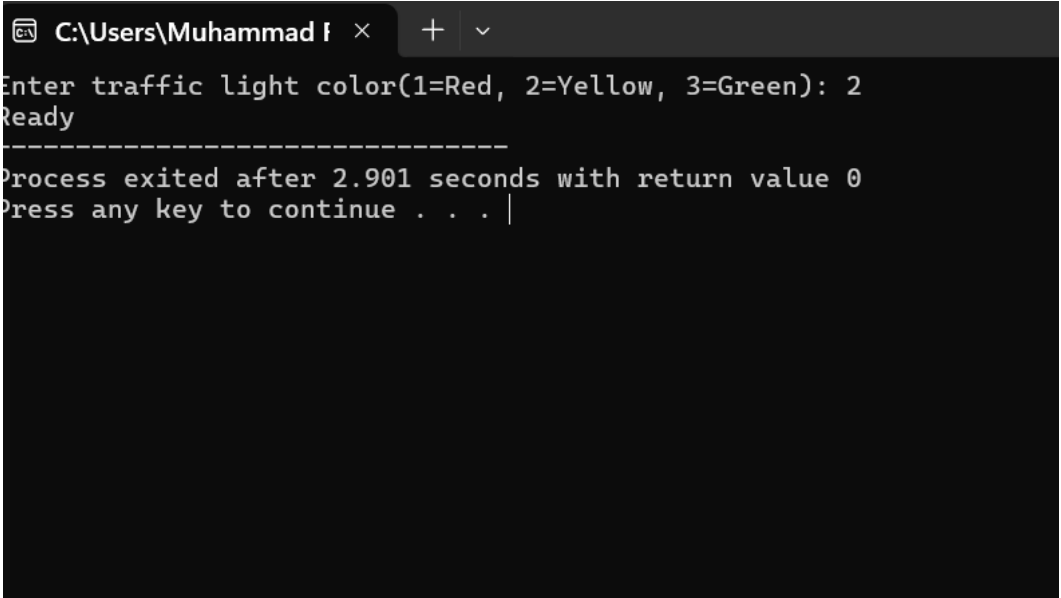
```
C:\Users\Muhammad f  ×  +  v
Enter your score: 98
Your grade is A+
-----
Process exited after 3.704 seconds with return value 0
Press any key to continue . . . |
```

TASK#5

```
#include<stdio.h>

int main()
{
    int color;
    printf("Enter traffic light color(1=Red, 2=Yellow, 3=Green): ");
    scanf("%d", &color);

    switch(color)
    {
        case 1:
            printf("Stop");
            break;
        case 2:
            printf("Ready");
            break;
        case 3:
            printf("Go");
            break;
        default:
            printf("Invalid input");
    }
    return 0;
}
```



C:\Users\Muhammad I × + ▾

Enter traffic light color(1=Red, 2=Yellow, 3=Green): 2
Ready

Process exited after 2.901 seconds with return value 0
Press any key to continue . . . |

TASK#6

```
#include<stdio.h>

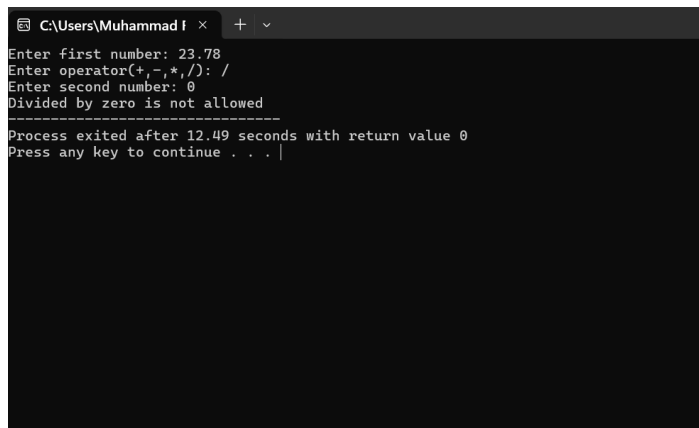
int main()
{
    double num1, num2;
    char op;

    printf("Enter first number: ");
    scanf("%lf", &num1);

    printf("Enter operator(+,-,*,/): ");
    scanf(" %c", &op);

    printf("Enter second number: ");
    scanf("%lf", &num2);

    switch(op)
    {
        case '+':
            printf("Result: %.2lf", num1 + num2);
            break;
        case '-':
            printf("Result: %.2lf", num1 - num2);
            break;
        case '*':
            printf("Result: %.2lf", num1 * num2);
            break;
        case '/':
            if(num2!=0){
                printf("Result: %.2lf", num1/num2);}
            else{
                printf("Divided by zero is not allowed");
            }
            break;
        default:
            printf("Invalid operator!");
    }
    return 0;
}
```

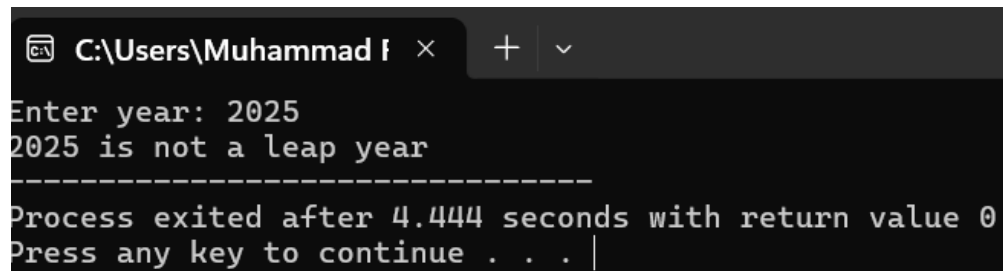


```
C:\Users\Muhammad I >
Enter first number: 23.78
Enter operator(+,-,*,/): /
Enter second number: 0
Divided by zero is not allowed
-----
Process exited after 12.49 seconds with return value 0
Press any key to continue . . . |
```

TASK#7

```
#include<stdio.h>

int main()
{
    int year;
    printf("Enter year: ");
    scanf("%d", &year);
    if((year % 400 == 0) || (year % 4 == 0 && year % 100 != 0))
    {
        printf("%d is a leap year", year);
    }
    else
    {
        printf("%d is not a leap year", year);
    }
    return 0;
}
```



```
C:\Users\Muhammad f  ×  +  ∨

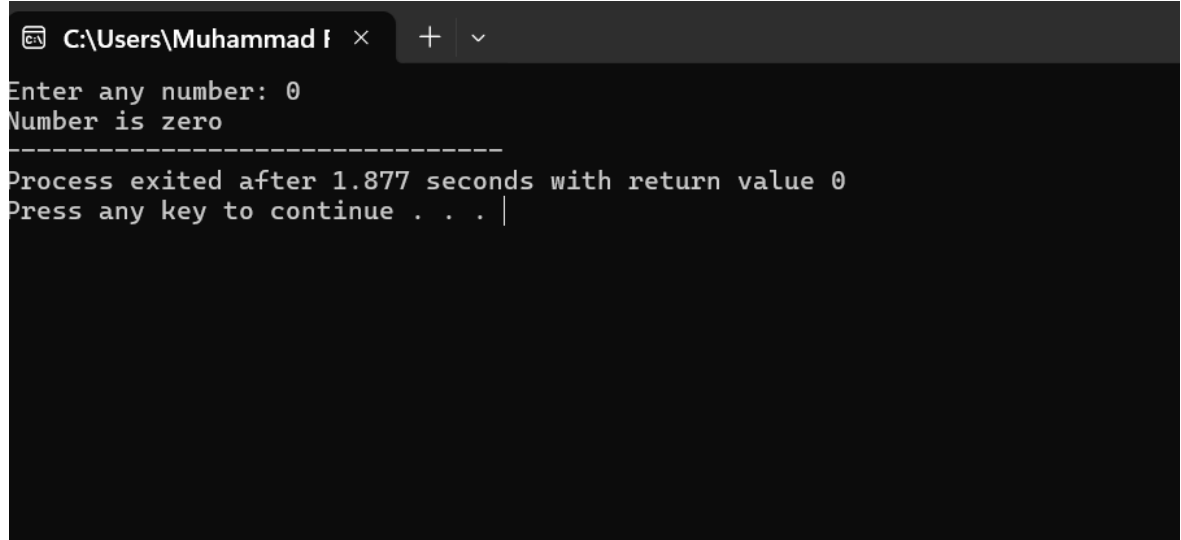
Enter year: 2025
2025 is not a leap year
-----
Process exited after 4.444 seconds with return value 0
Press any key to continue . . . |
```

TASK#8

```
#include<stdio.h>

int main()
{
    int number;
    printf("Enter any number: ");
    scanf("%d", &number);

    if(number>0)
    {
        printf("Number is positive");
    }
    else if(number<0)
    {
        printf("Number is negative");
    }
    else
    {
        printf("Number is zero");
    }
    return 0;
}
```



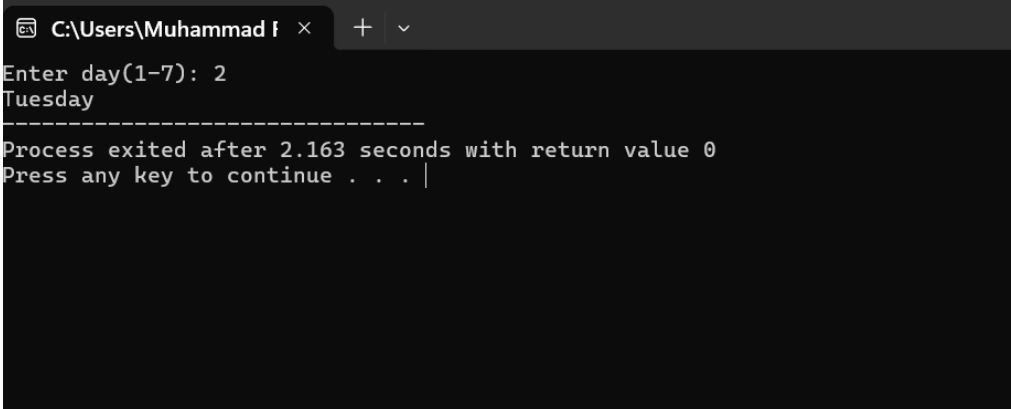
```
C:\Users\Muhammad f  ×  +  ▾
Enter any number: 0
Number is zero
-----
Process exited after 1.877 seconds with return value 0
Press any key to continue . . . |
```

TASK#9

```
#include<stdio.h>

int main()
{
    int day;
    printf("Enter day(1-7): ");
    scanf("%d", &day);

    switch(day)
    {
        case 1:
            printf("Monday");
            break;
        case 2:
            printf("Tuesday");
            break;
        case 3:
            printf("Wednesday");
            break;
        case 4:
            printf("Thursday");
            break;
        case 5:
            printf("Friday");
            break;
        case 6:
            printf("Saturday");
            break;
        case 7:
            printf("Sunday");
            break;
        default:
            printf("Input is invalid");
    }
    return 0;
}
```



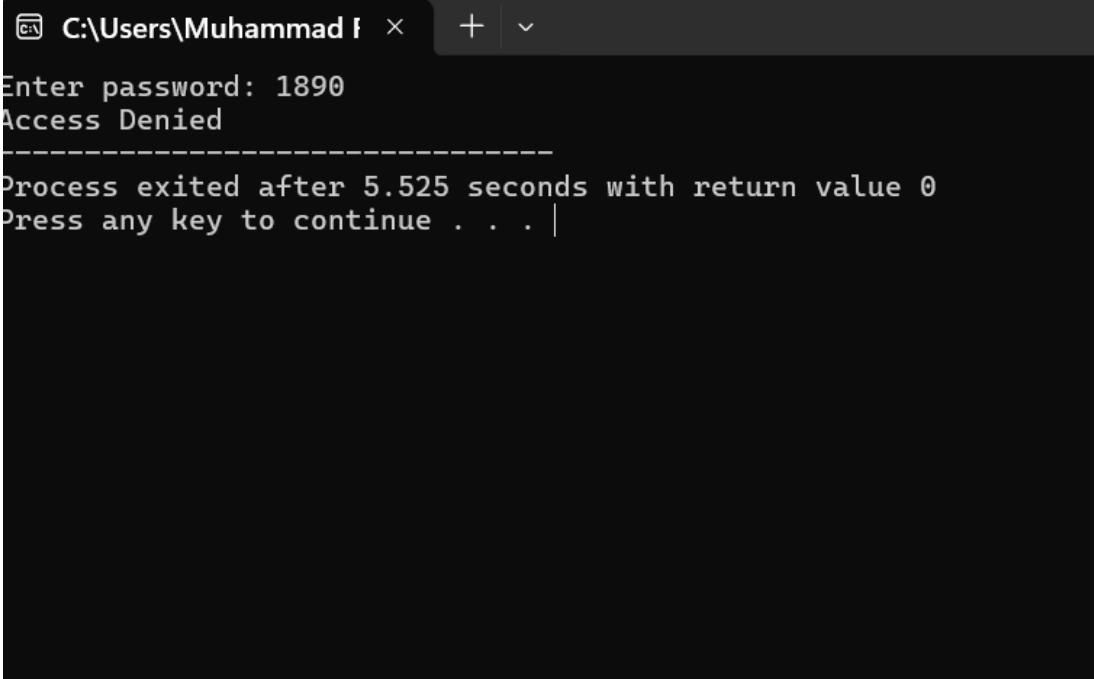
```
C:\Users\Muhammad I
Enter day(1-7): 2
Tuesday
-----
Process exited after 2.163 seconds with return value 0
Press any key to continue . . . |
```

TASK#10

```
#include<stdio.h>

int main()
{
    int password = 1234;
    int entered_password;
    printf("Enter password: ");
    scanf("%d", &entered_password);
    if(entered_password==password)
    {
        printf("Access Granted");
    }
    else
    {
        printf("Access Denied");
    }

    return 0;
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Users\Muhammad I". The program's output is displayed in white text on a black background. It prompts for a password, receives "1890", and outputs "Access Denied". A separator line of dashes follows. The program then reports it exited after 5.525 seconds with a return value of 0 and prompts the user to press any key to continue.

```
C:\Users\Muhammad I >
Enter password: 1890
Access Denied
-----
Process exited after 5.525 seconds with return value 0
Press any key to continue . . . |
```