

## Task 4:

```
#include <stdio.h>
int main()
{
    int score;
    printf("Enter your score:");
    scanf("%d",&score);
    if(score>=90){
        printf("Grade A");
    }
    else if(score>=80 && score<=89){
        printf("Grade B");
    }
    else if(score>=70 && score<=79){
        printf("Grade C");
    }
    else if(score>=60 && score<=69){
        printf("Grade D");
    }
    else {
        printf("GRADE F");
    }
}
```

## OUTPUT:

```
D:\PROGRAM\C-Programmin... x + v
Enter your score:89
Grade B
-----
Process exited after 4.286 seconds with return value 0
Press any key to continue . . . |
```

## Task 5:

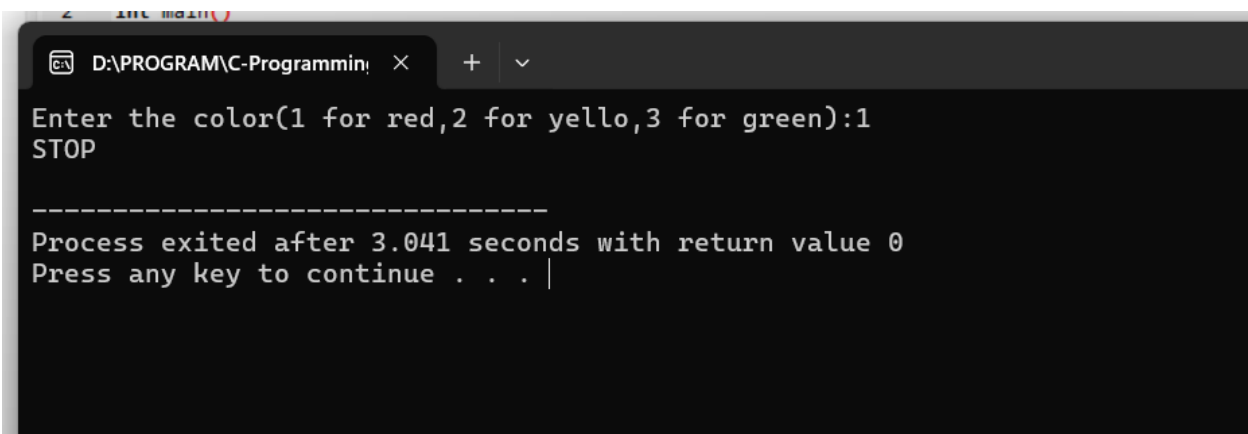
```
#include <stdio.h>
int main()
{
    int color;
    printf("Enter the color(1 for red,2 for yello,3 for green):");
    scanf("%d",&color);
    switch(color){
        case 1:
            printf("STOP\n");
            break;

        case 2:
            printf("READY\n");
            break;

        case 3:
            printf("GO\n");
            break;

        default:
            printf("INVALID INPUT");
    }
}
```

## OUTPUT:



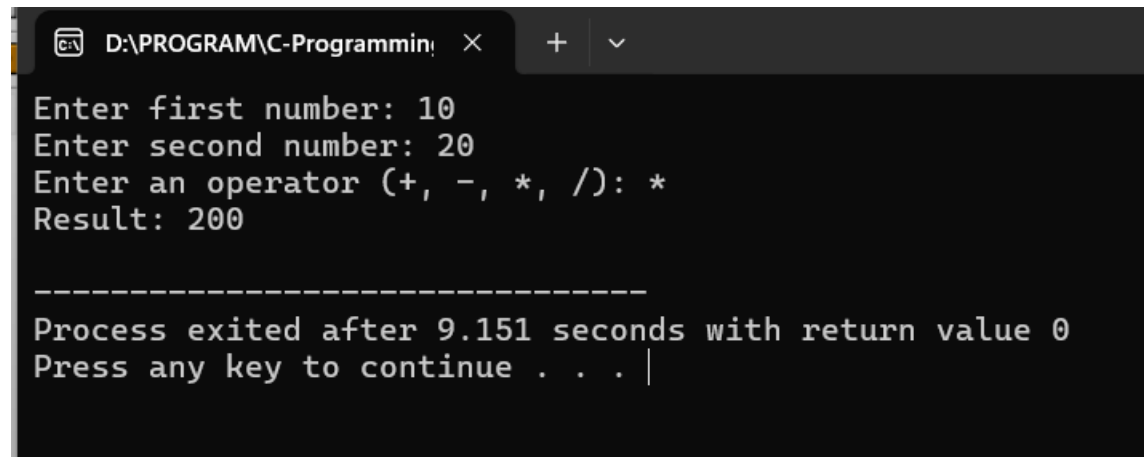
```
D:\PROGRAM\C-Programmin...
Enter the color(1 for red,2 for yello,3 for green):1
STOP

-----
Process exited after 3.041 seconds with return value 0
Press any key to continue . . . |
```

## Task 6:

```
#include <stdio.h>
int main()
{
    int num1, num2, result;
    char op;
    printf("Enter first number: ");
    scanf("%d", &num1);
    printf("Enter second number: ");
    scanf("%d", &num2);
    printf("Enter an operator (+, -, *, /): ");
    scanf(" %c", &op);
    switch (op) {
        case '+':
            result = num1 + num2;
            printf("Result: %d\n", result);
            break;
        case '-':
            result = num1 - num2;
            printf("Result: %d\n", result);
            break;
        case '*':
            result = num1 * num2;
            printf("Result: %d\n", result);
            break;
        case '/':
            result = num1 / num2;
            printf("Result: %d\n", result);
            break;
        default:
            printf("Invalid operator");
    }
}
```

## OUTPUT:



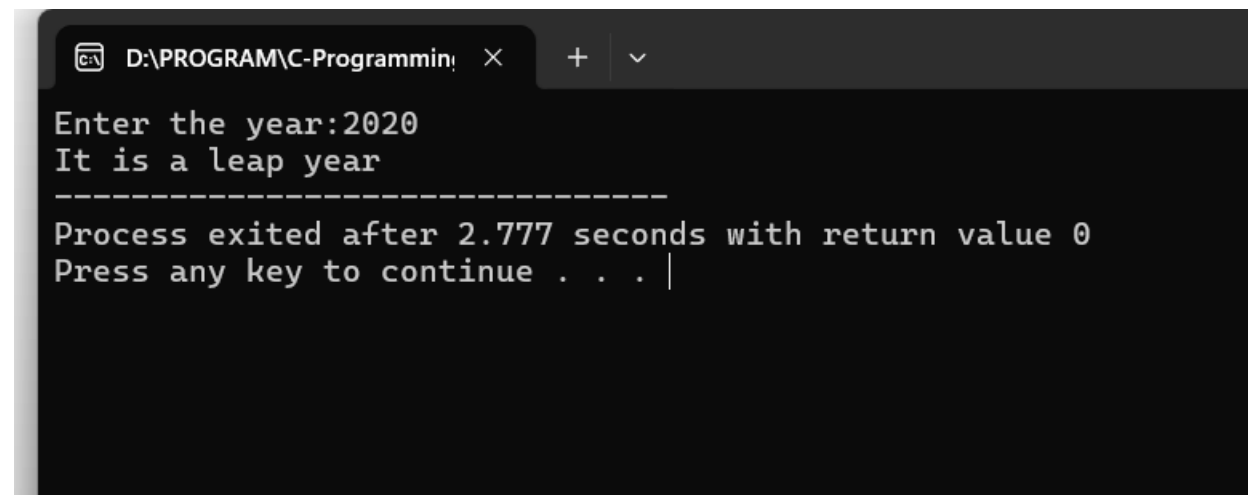
```
D:\PROGRAM\C-Programmin...  ×  +  ∨
Enter first number: 10
Enter second number: 20
Enter an operator (+, -, *, /): *
Result: 200

-----
Process exited after 9.151 seconds with return value 0
Press any key to continue . . . |
```

## Task 7:

```
#include <stdio.h>
int main()
{
    int year;
    printf("Enter the year:");
    scanf("%d",&year);
    if((year%4==0 && year%100!=0) || (year%400==0))
    {
        printf("It is a leap year");
    }
    else
    {
        printf("It s not a leap year");
    }
}
```

## Output:



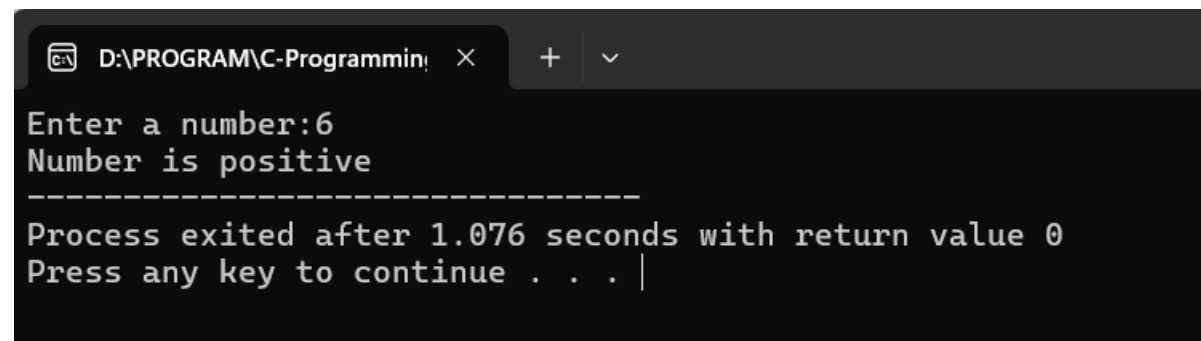
The screenshot shows a Windows command prompt window with the title bar "D:\PROGRAM\C-Programmin...". The program has been executed, and the output is as follows:

```
Enter the year:2020
It is a leap year
-----
Process exited after 2.777 seconds with return value 0
Press any key to continue . . . |
```

## Task 8:

```
#include <stdio.h>
int main()
{
    int num;
    printf("Enter a number:");
    scanf("%d",&num);
    if(num>0)
        printf("Number is positive");
    else if(num<0)
        printf("Number is negaive");
    else
        printf("Number is zero");
}
```

## OUTPUT:

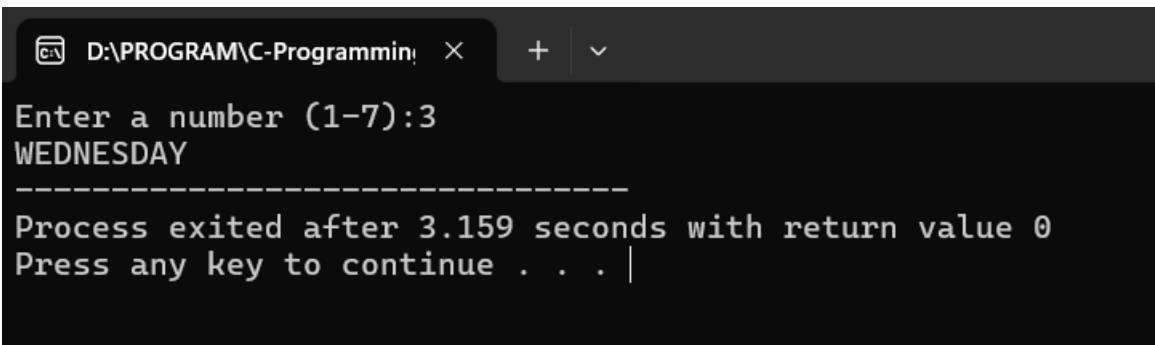


```
D:\PROGRAM\C-Programmin  ×  +  v
Enter a number:6
Number is positive
-----
Process exited after 1.076 seconds with return value 0
Press any key to continue . . . |
```

## Task 9:

```
#include <stdio.h>
int main()
{   int n;
    printf("Enter a number (1-7):");
    scanf("%d",&n);
    switch(n){
        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("INVALID INPUT");
    }
}
```

## OUTPUT:



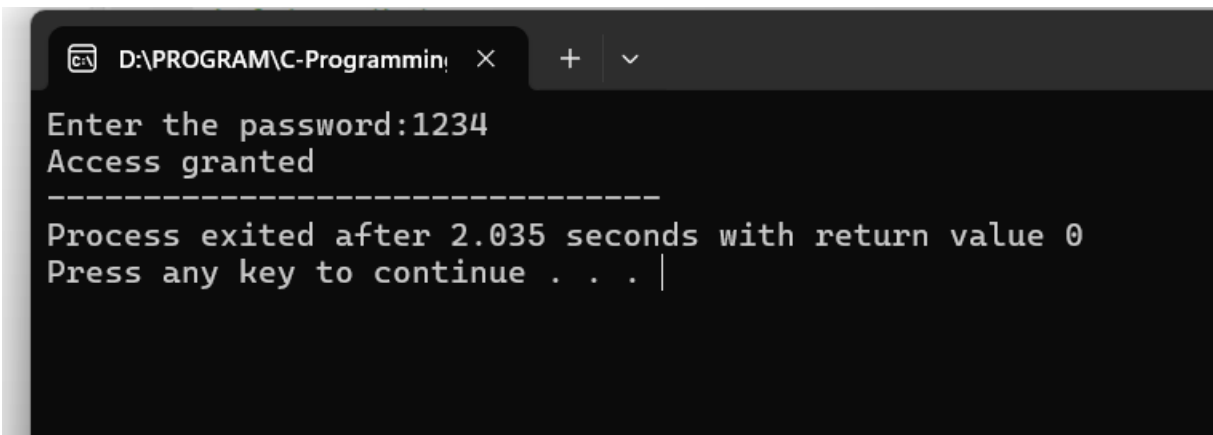
```
D:\PROGRAM\C-Programmin  ×  +  v
Enter a number (1-7):3
WEDNESDAY
-----
Process exited after 3.159 seconds with return value 0
Press any key to continue . . . |
```

## Task 10:

```
#include <stdio.h>
int main()
{
    int password, pin=1234;
    printf("Enter the password:");
    scanf("%d",&password);
    if(password==pin){

        printf("Access granted");
    }
    else {
        printf("Access denied");}
}
```

## OUTPUT:



```
D:\PROGRAM\C-Programmin: x + v
Enter the password:1234
Access granted
-----
Process exited after 2.035 seconds with return value 0
Press any key to continue . . . |
```