TASK 6:

```
Enter first number: 17
Enter operator (+, -, *, /): *
Enter second number: 14
Result: 238.00


...Program finished with exit code 0
Press ENTER to exit console.
```

```c
#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\n", num1 + num2);
            break;
        case '-':
            printf("Result: %.2lf\n", num1 - num2);
            break;
        case '*':
            printf("Result: %.2lf\n", num1 * num2);
            break;
        case '/':
            if (num2 != 0)
                printf("Result: %.2lf\n", num1 / num2);
            else
                printf("Error: Division by zero\n");
            break;
        default:
            printf("Invalid operator\n");
    }

    return 0;
}
```

TASK 7:

```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;
}
```

```
Enter a year: 2020
2020 is a Leap Year!


...Program finished with exit code 0
Press ENTER to exit console.
```

TASK 8:

```c
#include <stdio.h>

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

    if (num > 0) {
        printf("The number is Positive\n");
    } else if (num < 0) {
        printf("The number is Negative\n");
    } else {
        printf("The number is Zero\n");
    }

    return 0;
}
```

```
Enter a number: 19
The number is Positive


...Program finished with exit code 0
Press ENTER to exit console.
```

TASK#9:

TASK 10:

```c
#include <stdio.h>

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

    switch (day) {
        case 1:
        printf("Monday\n");
        break;
        case 2:
        printf("Tuesday\n");
        break;
        case 3:
        printf("Wednesday\n");
        break;
        case 4:
        printf("Thursday\n");
        break;
        case 5:
        printf("Friday\n");
        break;
        case 6:
        printf("Saturday\n");
        break;
        case 7:
        printf("Sunday\n");
        break;
        default:
        printf("Invalid number\n");
    }

    return 0;
}
```

```
Enter a number (1-7): 6
Saturday


...Program finished with exit code 0
Press ENTER to exit console.
```

```c
#include <stdio.h>

int main() {
    int password;
    int correctPassword = 1234;

    printf("Enter password: ");
    scanf("%d", &password);

    if (password == correctPassword) {
        printf("Access Granted\n");
    } else {
        printf("Access Denied\n");
    }

    return 0;
}
```

```
Enter password: 1234
Access Granted


...Program finished with exit code 0
Press ENTER to exit console.
```