

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.
```

```
1  #include <stdio.h>
2
3
4  int main() {
5      double num1, num2;
6      char op;
7
8      printf("Enter first number: ");
9      scanf("%lf", &num1);
10
11     printf("Enter operator (+, -, *, /): ");
12     scanf(" %c", &op);
13
14     printf("Enter second number: ");
15     scanf("%lf", &num2);
16
17     switch (op) {
18         case '+':
19             printf("Result: %.2lf\n", num1 + num2);
20             break;
21         case '-':
22             printf("Result: %.2lf\n", num1 - num2);
23             break;
24         case '*':
25             printf("Result: %.2lf\n", num1 * num2);
26             break;
27         case '/':
28             if (num2 != 0)
29                 printf("Result: %.2lf\n", num1 / num2);
30             else
31                 printf("Error: Division by zero\n");
32             break;
33         default:
34             printf("Invalid operator\n");
35     }
36
37     return 0;
38 }
39
```

TASK 7:

```

1
2  #include <stdio.h>
3
4  int main() {
5      int year;
6      printf("Enter a year: ");
7      scanf("%d", &year);
8
9      if ((year % 400 == 0) || (year % 4 == 0 && year % 100 != 0)) {
10         printf("%d is a Leap Year!\n", year);
11     } else {
12         printf("%d is NOT a Leap Year!\n", year);
13     }
14
15     return 0;
16 }
17
18
19

```

```

Enter a year: 2020
2020 is a Leap Year!

```

```

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

```

TASK 8:

```

1
2  #include <stdio.h>
3
4  int main() {
5      int num;
6      printf("Enter a number: ");
7      scanf("%d", &num);
8
9      if (num > 0) {
10         printf("The number is Positive\n");
11     } else if (num < 0) {
12         printf("The number is Negative\n");
13     } else {
14         printf("The number is Zero\n");
15     }
16
17     return 0;
18 }
19
20

```

```

Enter a number: 19
The number is Positive

```

```

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

```

TASK#9:

TASK 10:

```

1
2  #include <stdio.h>
3
4  int main() {
5      int day;
6      printf("Enter a number (1-7): ");
7      scanf("%d", &day);
8
9      switch (day) {
10         case 1:
11             printf("Monday\n");
12             break;
13         case 2:
14             printf("Tuesday\n");
15             break;
16         case 3:
17             printf("Wednesday\n");
18             break;
19         case 4:
20             printf("Thursday\n");
21             break;
22         case 5:
23             printf("Friday\n");
24             break;
25         case 6:
26             printf("Saturday\n");
27             break;
28         case 7:
29             printf("Sunday\n");
30             break;
31         default:
32             printf("Invalid number\n");
33     }
34
35     return 0;
36 }
37

```

Enter a number (1-7): 6
Saturday

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

```

1
2  #include <stdio.h>
3
4  int main() {
5      int password;
6      int correctPassword = 1234; |
7
8      printf("Enter password: ");
9      scanf("%d", &password);
10
11     if (password == correctPassword) {
12         printf("Access Granted\n");
13     } else {
14         printf("Access Denied\n");
15     }
16
17     return 0;
18 }
19
20

```

Enter password: 1234
Access Granted

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