

1. Write a C program to print day of week name using switch case.

```
Output
Enter week number(1-7): 1
Monday
```

2. Write a C program print total number of days in a month using switch case.

```
Output
Enter month number(1-12): 3
31 days
```

3. Write a C program to check whether an alphabet is vowel or consonant using switch case.

```
Output
Enter any alphabet: E
VOWEL
```

4. Write a C program to find maximum between two numbers using switch case.

```
Output
Enter two numbers to find maximum: 20
10
20 is maximum
```

5. Write a C program to check whether a number is even or odd using switch case.

```
Output
Enter any number to check even or odd: 6
Number is Even
```

6. Write a C program to check whether a number is positive, negative or zero using switch case.

```
Output
Enter any number: 23
23 is positive.

Enter any number: -22
-22 is negative.

Enter any number: 0
0 is zero.
```

7. Write a C program to find roots of a quadratic equation using switch case.

```
Output
Enter values of a, b, c of quadratic equation (aX^2 + bX + c): 4 -2 -10
Two distinct and real roots exists: 1.85 and -1.35
```

8. Write a C program to create Simple Calculator using switch case.

```
Output
WELCOME TO SIMPLE CALCULATOR
-----
Enter [number 1] [+ - * /] [number 2]
22 * 6
22.00 * 6.00 = 132.00
```

9. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics Computer, calculate percentage and then grade using Switch statements according to given conditions:

If percentage $\geq 90\%$: Grade A

If percentage $\geq 80\%$: Grade B

If percentage $\geq 70\%$: Grade C

If percentage $\geq 60\%$: Grade D

If percentage $\geq 40\%$: Grade E

If percentage $< 40\%$: Grade F

Output

Enter five subjects marks: 95

95

97

98

90

Percentage = 95.00

Grade A