

1. Write a C program to print day of week name using switch case.
2. Write a C program print total number of days in a month using switch case.
3. Write a C program to check whether an alphabet is vowel or consonant using switch case.
4. Write a C program to find maximum between two numbers using switch case.
5. Write a C program to check whether a number is even or odd using switch case.
6. Write a C program to check whether a number is positive, negative or zero using switch case.
7. Write a C program to find roots of a quadratic equation using switch case.
8. Write a C program to create Simple Calculator using switch case.
9. Using switch statement Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage  $\geq$  90% : Grade A

Percentage  $\geq$  80% : Grade B

Percentage  $\geq$  70% : Grade C

Percentage  $\geq$  60% : Grade D

Percentage  $\geq$  40% : Grade E

Percentage  $<$  40% : Grade F

10. C Program to find the maximum between two numbers. Using the switch statement.
11. C Program to find the maximum between three numbers. Using the switch statement.
12. C Program to check whether a number is divisible by 5 and 11 or not. Using the switch statement.
13. C Program to check whether a year is a leap year or not. Using switch statement
14. C Program to check whether a character is an alphabet or not. Using the switch statement.
15. C Program to take the value from the user as input any alphabet and check whether it is vowel or consonant. Using the switch statement.
16. C Program to take the value from the user as input any character and check whether it is the alphabet, digit or special character. Using the switch statement.

17. C Program to check whether a character is an uppercase or lowercase alphabet. Using the switch statement.
18. C Program to take the value from the user as an input week number and print weekday by using the switch statement.
19. C Program to take the value from the user as input the month number and print number of days in that month. Using switch statement
20. C Program to count the total number of notes in a given amount. Using the switch statement.
21. C Program to take the value from the user as input all sides of a triangle and check whether the triangle is valid or not. Using switch statement
22. C Program to check whether the triangle is an equilateral, isosceles or scalene triangle. Using switch statement
23. C Program to find all the roots of a quadratic equation. Using switch statement
24. C Program to calculate profit or loss. Using switch statement.
25. Using switch statement C++ Program to take the value from the user as input marks of five subjects Physics, Chemistry, Biology, Mathematics, and Computer. Calculate percentage and grade according to the following: Percentage  $\geq 90\%$  : Grade A, Percentage  $\geq 80\%$  : Grade B, Percentage  $\geq 70\%$  : Grade C, Percentage  $\geq 60\%$  : Grade D, Percentage  $\geq 40\%$  : Grade E, Percentage  $< 40\%$  : Grade F, Using switch statement.
26. C Program to take the value from the user as input the basic salary of an employee and calculate its Gross salary according to the following:  
  
Basic Salary  $\leq 10000$ :  
  
HRA = 20%,  
  
DA = 80%  
  
Basic Salary  $\leq 20000$   
  
HRA = 25%,  
  
DA = 90%

Basic Salary > 20000

HRA = 30%

DA = 95%.

27. C Program to take the value from the user as input electricity unit charges and calculate total electricity bill according to the given condition:

For the first 50 units Rs. 0.50/unit

For the next 100 units Rs. 0.75/unit

For the next 100 units Rs. 1.20/unit

For unit above 250 Rs. 1.50/unit

An additional surcharge of 20% is added to the bill

Using the switch statement.

28. Write a program that determines a student's grade. The program will read three types of scores (quiz, mid-term, and final scores) and determine the grade based on the following rules:

if the average score = 90% => grade=A

if the average score >= 70% and <90% => grade=B

if the average score >= 50% and <70% => grade=C

if the average score < 50% => grade=F

29. Program to take the hours and minutes as input by the user and the show that whether it is AM or PM by using the switch statement.

30. Program to convert a positive number into negative number and negative number into a positive number using switch statement

31. Write a program to swap the values of two numbers if the values of both variables are not the same using a switch statement.

32. Program to Convert even number into its upper nearest odd number Switch Statement.

33. Even and odd conversion program

34. C program to print number between 1 to 10 in character format using switch-case.

35. C program to accept id from user to confirm department using switch-case.
36. C program to check password is correct or incorrect using switch-case.
37. C program to print day of week using switch-case.
38. C program to create calculator using switch-case.
39. Write a id and password validation program in C.
40. Write a C program to display user details using their id.
41. C program to read weekday number and print weekday name using switch.

This program will read weekday number and print its corresponding week name switch case statement in C language.

42. C program to read gender (M/F) and print corresponding gender using switch.

This program will read gender in single character like 'M' or 'F' and print its corresponding complete word "Male" or "Female" using switch case statement in C language.

43. C program to check whether a character is VOWEL or CONSONANT using switch.

This program will read a character and check whether it is VOWEL or CONSONANT using switch case statement in C language.

44. C program to design calculator with basic operations using switch.

This program will read two integer numbers and perform basic operations like +, -, \*, / and % using switch case statement in C language (this program is a simple calculator program with basic operations).

45. C program to check whether number is EVEN or ODD using switch.

This program will read an integer number and check whether it is EVEN or ODD using switch case statement in C language.

46. C program to find number of days in a month using switch case.

This program will read month value and print total number of days in input month in C language.