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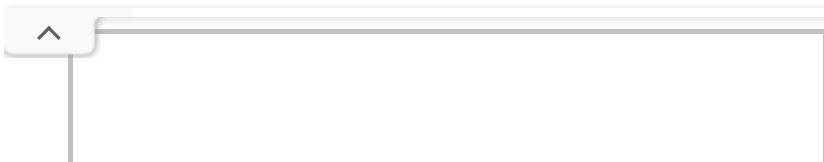
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C Conditional Statement [26 exercises with solution]

 **[An editor is available at the bottom of the page to write and execute the scripts.** Go to the editor]

1. Write a C program to accept two integers and check whether they are equal or not.

Test Data : 15 15

Expected Output :

Number1 and Number2 are equal

Click me to see the solution (c-conditional-statement-exercises-1.php)

2. Write a C program to check whether a given number is even or odd.

Test Data : 15

Expected Output :

15 is an odd integer

Click me to see the solution (c-conditional-statement-exercises-2.php)

3. Write a C program to check whether a given number is positive or negative.

Test Data : 15

Expected Output :

15 is a positive number

Click me to see the solution (c-conditional-statement-exercises-3.php)

4. Write a C program to find whether a given year is a leap year or not.

Test Data : 2016

Expected Output :

2016 is a leap year.

Click me to see the solution (c-conditional-statement-exercises-4.php)

Write a C program to read the age of a candidate and determine whether he is eligible to cast his own vote.

Test Data : 21

Expected Output :

Congratulation! You are eligible for casting your vote.

[Click me to see the solution \(c-conditional-statement-exercises-5.php\)](#)

6. Write a C program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.

Test Data : -5

Expected Output :

The value of n = -1

[Click me to see the solution \(c-conditional-statement-exercises-6.php\)](#)

7. Write a C program to accept the height of a person in centimeters and categorize the person according to their height.

Test Data : 135

Expected Output :

The person is Dwarf.

[Click me to see the solution \(c-conditional-statement-exercises-7.php\)](#)

8. Write a C program to find the largest of three numbers.

Test Data : 12 25 52

Expected Output :

1st Number = 12, 2nd Number = 25, 3rd Number = 52

The 3rd Number is the greatest among three

[Click me to see the solution \(c-conditional-statement-exercises-8.php\)](#)

9. Write a C program to accept a coordinate point in an XY coordinate system and determine in which quadrant the coordinate point lies.

Test Data : 7 9

Expected Output :

The coordinate point (7,9) lies in the First quadrant.

[Click me to see the solution \(c-conditional-statement-exercises-9.php\)](#)

10. Write a C program to determine eligibility for admission to a professional course based on the following criteria: Go to the editor

Eligibility Criteria : Marks in Maths ≥ 65 and Marks in Phy ≥ 55 and Marks in Chem ≥ 50 and

Total in all three subject ≥ 190 or Total in Maths and Physics ≥ 140 -----

Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72 Total marks of Maths, Physics and Chemistry : 188 Total marks of Maths and Physics : 137 The candidate is not eligible.

Expected Output :

The candidate is not eligible for admission.

[Click me to see the solution \(c-conditional-statement-exercises-10.php\)](#)

11. Write a C program to calculate the root of a quadratic equation.



Write a C program to read the roll no, name and marks of three subjects and calculate the total, percentage and division.

Test Data :

Input the Roll Number of the student :784

Input the Name of the Student :James

Input the marks of Physics, Chemistry and Computer Application : 70 80 90

Expected Output :

Roll No : 784

Name of Student : James

Marks in Physics : 70

Marks in Chemistry : 80

Marks in Computer Application : 90

Total Marks = 240

Percentage = 80.00

Division = First

[Click me to see the solution \(c-conditional-statement-exercises-12.php\)](#)

13. Write a C program to read temperature in centigrade and display a suitable message according to the temperature state below:

Temp < 0 then Freezing weather

Temp 0-10 then Very Cold weather

Temp 10-20 then Cold weather

Temp 20-30 then Normal in Temp

Temp 30-40 then Its Hot

Temp >=40 then Its Very Hot

Test Data :

42

Expected Output :

Its very hot.

[Click me to see the solution \(c-conditional-statement-exercises-13.php\)](#)

14. Write a C program to check whether a triangle is Equilateral, Isosceles or Scalene.

Test Data :

50 50 60

Expected Output :

This is an isosceles triangle.

[Click me to see the solution \(c-conditional-statement-exercises-14.php\)](#)

15. Write a C program to check whether a triangle can be formed with the given values for the angles.

Test Data :

40 55 65

Expected Output :

The triangle is not valid.

[Click me to see the solution \(c-conditional-statement-exercises-15.php\)](#)

[Click me to see the solution \(c-conditional-statement-exercises-16.php\)](#)

17. Write a C program to check whether an alphabet is a vowel or a consonant.

Test Data :

k

Expected Output :

The alphabet is a consonant.

[Click me to see the solution \(c-conditional-statement-exercises-17.php\)](#)

18. Write a C program to calculate profit and loss on a transaction.

Test Data :

500 700

Expected Output :

You can booked your profit amount : 200

[Click me to see the solution \(c-conditional-statement-exercises-18.php\)](#)

19. Write a program in C to calculate and print the electricity bill of a given customer. The customer ID, name, and unit consumed by the user should be captured from the keyboard to display the total amount to be paid to the customer.

The charge are as follow :

Unit	Charge/unit
upto 199	@1.20
200 and above but less than 400	@1.50
400 and above but less than 600	@1.80
600 and above	@2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/-

Test Data :

1001

James

800

Expected Output :

Customer IDNO :1001

Customer Name :James

unit Consumed :800

Amount Charges @Rs. 2.00 per unit : 1600.00

Surcharge Amount : 240.00

Net Amount Paid By the Customer : 1840.00

[Click me to see the solution \(c-conditional-statement-exercises-19.php\)](#)

^	
V	Very Good
G	Good
A	Average
F	Fail

Test Data :

Input the grade :A

Expected Output :

You have chosen : Average

[Click me to see the solution \(c-conditional-statement-exercises-20.php\)](#)

21. Write a C program to read any day number in integer and display the day name in word format.

Test Data :

4

Expected Output :

Thursday

[Click me to see the solution \(c-conditional-statement-exercises-21.php\)](#)

22. Write a program in C to read any digit and display it in the word.

Test Data :

4

Expected Output :

Four

[Click me to see the solution \(c-conditional-statement-exercises-22.php\)](#)

23. Write a C program for reading any Month Number and displaying the Month name as a word.

Test Data :

4

Expected Output :

April

[Click me to see the solution \(c-conditional-statement-exercises-23.php\)](#)

24. Write a program in C to read any Month Number in integer and display the number of days for this month.

Test Data :

7

Expected Output :

Month have 31 days

[Click me to see the solution \(c-conditional-statement-exercises-24.php\)](#)

25. Write a C program which computes the area of various geometrical shapes using a menu-driven approach.

[Click me to see the solution \(c-conditional-statement-exercises-25.php\)](#)

26. Write a program in C which is a Menu-Driven Program to perform a simple calculation.

Test Data :

10

2

3

Expected Output :

The Multiplication of 10 and 2 is: 20

[Click me to see the solution \(c-conditional-statement-exercises-26.php\)](#)

C Programming Code Editor

More to Come !

Do not submit any solution of the above exercises at here, if you want to contribute go to the appropriate exercise page.

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