

C# Sharp Conditional Statement – Sample questions

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

Test Data :

Input 1st number: Ex.: 5

Input 2nd number: Ex.: 5

Expected Output : 5 and 5 are equal

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

Test Data : Ex.: 15

Expected Output : 15 is an odd integer

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

Test Data : Ex.: 14

Expected Output : 14 is a positive number

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

Test Data : Ex.: 2016

Expected Output : 2016 is a leap year.

5. Write a C# Sharp program to read the age of a candidate and determine whether it is eligible for casting his/her own vote.

Test Data : Ex.: 21

Expected Output: Congratulation! You are eligible for casting your vote.

6. Write a C# Sharp program to read the value of an integer “M” and display the value of “N” is “Positive” when “M” is larger than 0, N = 0 when “M” is 0 and n = “Negative” when “M” is less than 0.

Test Data : -5

Expected Output: The value of n = Negative

7. Write a C# Sharp program to accept a person's height in centimeters and categorize them according to their height. (If height > 180 cm = Tall, If between 179 to 160 = Average, if < 159 = Short)

Test Data : 135

Expected Output : The person is Short.

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

Test Data :

Input the 1st number :25

Input the 2nd number :63

Input the 3rd number :10

Expected Output : The 2nd Number is the greatest among three

9. Write a C# Sharp program to determine the eligibility for admission to a professional course based on the following criteria:

Marks in Maths ≥ 65

Marks in Phy ≥ 55

Marks in Chem ≥ 50

Total in all three subject ≥ 180

Test Data :

Input the marks obtained in Physics :65

Input the marks obtained in Chemistry :51

Input the marks obtained in Mathematics :72

Expected Output : The candidate is eligible for admission.

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

Test Data :

Input the Admission Number of the student :784

Input the Name of the Student : James

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

Expected Output :

Admission No : 784

Name of Student : James

Marks in Physics : 70

Marks in Chemistry : 80

Marks in IT : 90

Total Marks = 240

Percentage = 80.00

Division = First (Define division according to average)

11. Write a C# Sharp 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.

12. Write a C# Sharp program to check whether a triangle can be formed by the given angles value.

Test Data : 40 55 65

Expected Output : The triangle is not valid.

13. Write a C# Sharp program to check whether an alphabet letter is a vowel or a consonant.

Test Data : K

Expected Output : The alphabet is a consonant.

14. Write a C# Sharp program to calculate profit and loss on a transaction.

Test Data : Profit = 500, Loss = 700

Expected Output : Total Loss amount : 200

15. Write a C# Sharp program to read any day number as an integer and display the name of the day as a word.

Test Data : 4

Expected Output : Thursday

16. Write a program in C# Sharp to read any digit, display in the word.

Test Data : 4

Expected Output : Four

17. Write a C# Sharp program to calculate and print the electricity bill of a customer. From the keyboard, the customer's name, ID, and unit consumed should be taken and displayed along with the total amount due.

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

18. Write a program in C# Sharp to accept a grade and declare the equivalent description :

Grade Description

E Excellent

V Very Good

G Good

A Average

F Fail

Test Data : Input the grade : A

Expected Output :

You have chosen : Average

19. Write a program in C# Sharp to read any Month Number in integer and display the Month name & number of days for this month.

Test Data : 7

Expected Output:

July

Month have 31 days

20. Write a program in C# Sharp which is a menu-driven program to perform simple calculations.

Test Date and Expected Output

Enter the first Integer :10

Enter the second Integer :2

Here are the options :

1-Addition.

2-Substraction.

3-Multiplication.

4-Division.

5-Exit.

Input your choice :3

The Multiplication of 10 and 2 is: 20