

Online Shopping Cart

You are developing an online shopping cart application. Implement the following scenarios using conditional statements and operators:

Ask the user to enter the total amount he spent on shopping, and the no of items purchased.

Apply a discount of 10% if the total price is above or equal to 5000 R.s.

Also, if the total number of items in the cart is greater than or equal to 10, provide free shipping too, else, charge a flat shipping fee of 100 R.s.

Display the output in a user-friendly way like the sample output. Test your program for all of the following test cases.

Test case 1:

Enter the total amount spent on shopping (in R.s.): 5000

Enter the number of items purchased: 5

Congratulations you got 10 percent off

Shipping charges: 100 R.s

Total amount to be paid: 4600.00 R.s.

Test Case: 2

Enter the total amount spent on shopping (in R.s.): 4000

Enter the number of items purchased: 12

Congratulations! You got free shipping.

Total amount to be paid: 4000.00 R.s.

Test Case: 3

Enter the total amount spent on shopping (in R.s.): 2000

Enter the number of items purchased: 2

Shipping charges: 100 R.s

Total amount to be paid: 2100.00 R.s.

Test Case: 4

Enter the total amount spent on shopping (in R.s.): 6000

Enter the number of items purchased: 4

Congratulations you got 10 percent off

Shipping charges: 100 R.s

Total amount to be paid: 5500.00 R.s.

Student Grading System

You are building a student grading system. Implement the following scenarios using conditional statements and operators:

Determine whether a student has passed (scored 60 or above) or failed (scored below 60) a test.

Assign letter grades (A, B, C, D, or F) based on the test score, where A is for scores 90-100, B for 80-89, C for 70-79, D for 60-69, and F for scores below 60.

Sample Output:

Enter your score: 80

Pass

You got: B grade

Roll No Slip Generator for University Exam

A university does not allow its student to sit in the exam if his/her attendance is less than 80% in any course/lab.

Write a program to ask a student about total number of classes scheduled by instructor during the whole semester and total number of classes he/she attended during the whole semester. Now pass both integers to a function named **calculateAttendance** which should calculate the attendance, and return it to the main. In main display the attendance and print the decision if he/she is allowed to sit in the exam or not.

Sample Output:

Enter total classes scheduled: 10

Enter total classes attended: 9

Your attendance is: 90%

You are allowed to sit in the exam