STRUCTURES IN C
Exercise 8

1. Define a structure to store up to 50 student records and each student record should contain the below minimum information.

StudentID	:10 characters
Name	: 30 Characters
Gender	: character
Subjects	: An array consisting of 5 subject codes
Marks:	: An array of 5 corresponding marks of the student.

   Write a program to get input for the student record and print the student details along with the average mark for each student.

2. Create a structure called employee with the fields like name ,department, empid, basic_salary and calculate the netpay of an employee. (netpay = (basic_salary + allowance) - deductions). Employee who is getting basic salary more than Rs. 10,000 gets the allowance of Rs.5000 and the amount to be deducted is 7% of basic salary, otherwise allowance is Rs.2000 and the amount to be deducted is 5% of basic salary. The netpay of employee should be calculated in a function called calculate(). The employee structure variable should be passed as parameter to calculate() using call by reference and net pay should be displayed in main() function.

3. In a departmental store, number of customers purchase variety of items. Prepare a program which accepts name of customer, date, item number, name of items, it's cost per unit and number of items purchased,. The program should calculate total cost for each item and the total bill for each of 'n' customers with the following discount rule:

Bill amount	Discount
Above Rs. 500/-	5%
Above Rs. 1000/-	10%
Above Rs. 2000/-	20%

   The bill for the customer should printed using display() which takes a customer structure variable as a parameter.

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