Additional Exercises

Question 01
A company calculates the bonus given to their employees based on the employee category. Write a C program to input the employee category and basic salary and calculate the bonus amount.

Employee category	Bonus percentage
A	5%
B	10%
C	15%

Hint : Bonus = Basic Salary * Bonus Rate

Question 02
Following table shows the information about the package given from a travel agency for a Holiday Resorts. A Package consists of full board facilities for 1 night. A discount is applicable for each package as indicated below.

Write a C program to allow the user to enter the package and find the total expenditure for the selected package for one night. Display an error message if user enters an invalid package.

Package	Discount	Amount (Rs.)
1	3%	8000
2	5%	9500
3	7%	12500

Question 03

An institute offers following diploma programs.

Program No.	Program Name	Registration Fee
1	Java Programming	1500/=
2	Web Designing	1000/=
3	Computer Network	2000/=

Write a C program to take registration details by entering program number.

The program should terminate the registration process when the total number of registrations becomes 100 or if user inputs -99 as the program number.

Calculate and display the total registration fee for all programs.

Hint : Need to use break statement

Question 04

A food outlet has the following food items.

Item Code	Unit price (Rs.)
1	300/=
2	450/=
3	500/=

A single customer can order many items and any quantity from each item.

The invoice should have item code, quantity and price of all items and the total bill amount.

The user can input item details until he enters -1 as the item code.

Write a C program to print the invoice.

Question 05

An online store pays their delivery persons according to the deliveries they complete during the day.

The charge for each delivery order is given below.

Distance (km)	Delivery charge (Rs)
distance <= 3	50.00
3 < distance <= 8	75.00
8 < distance <= 15	125.00
15 < distance	150.00

Draw a flowchart to calculate the delivery charge of a single delivery person for a given day. The user should be able to input any number of distances that the delivery person has completed until the user confirm there are no more entries.