

Practical Question

BCA 1 – “C & C++”

1. Write a Program in C to calculate Simple Interest when the values of Principal, Rate and Time are given.
2. Write a Program in C++ to calculate Temperature in Centigrade when temperature is in Fahrenheit.
3. Write a Program in C to determine whether an input Year is Leap Year or not.
4. Write a Program in C++ to display the Table of a number input from keyboard in the following format: $n \times 1 = n$ eg: $5 \times 1 = 5$ $5 \times 2 = 10$
5. Write a program to calculate the Factorial of a number input from Keyboard using Recursive method.
6. Write a Program in C++ to show how to pass an Array to a user defined function.
7. Write a Program in C to swap two numbers using Call by Value and Call by Address.
8. Write a Program in C to read Name, Roll No, and Percentage of five Students and display them using Array of Structures.
9. WAP to calculate total marks, percentage and grade of a student. Marks obtained in each of the five subjects are to be input by the user. Assign grades according to the following criteria: Grade A: Percentage ≥ 80 Grade B: Percentage ≥ 70 and ≤ 60 and ≤ 40 and Grade C: Percentage ≥ 60 and ≤ 40
10. Write a Program in C++ to display the first n terms of Fibonacci series.
11. Write a Program in C to calculate the sum of two compatible matrices.
12. Write a Program in C++ to calculate the product of two compatible matrices.

Practical Question

BCA 1 – “PC Package”

- 1) Write about introduction of Computer and insert picture related to it.
- 2) Send a letter to your classmate using mail merge.
- 3) Create a table given below:-

Student Name		Marks 1	Marks 2
First Name	Second Name		

- Enter details in the above table.
 - Insert one column after marks 2 and give heading as Total
 - Calculate marks1 and marks 2 and write on column total.
 - Bold all column names.
- 4) Create Worksheet in MS Excel

No	Student Name	DOA	Course	Fees

- Enter the details in sheet.
 - Arrange the according to course.
 - Calculate total fee.
 - Create pie chart using name of student and fee column.
- 5) Design PPT to explain various input devices using following option.
 - Design Template
 - Slide Transition
 - Custom Animation