

C Programming Assignment List

operators and operands

1. Develop a C program to perform operations (+,*,-, / and %) on two whole numbers. Identify suitable data types to represent the numbers and resultant values
2. Develop a C program to add two operands and store the result in one of the operand using addition assignment operator.
3. Write a C program to find the maximum of 2 numbers using Conditional operator.
4. Write a menu based C program to perform operations (+, - and *) on matrices.
5. Write a program to perform operations on complex numbers.
6. Write a program to find whether the given processor is little endian or big endian.
7. Write a program to find out difference in days between any two dates. It must work regardless of the year, month and day. Consider Leap years while calculating the difference.

Basic Data Types

1. Develop a C program to calculate simple interest using the formula $I = PTR/100$. Display Interest with two digit precision after decimal point

Control Sequence

1. Develop a C program having following logic. If i is 20 or j is 20, display as "Atleast one variable is having 20" otherwise display "Both variables are not having 20". If i is less than or equal to 40 and j is less than or equal to 40, It should display "Both are less than or equal to 40" otherwise, it should display as "Both are not less than or equal to 40". Implement this using if-else statement as well as with conditional operator.
2. Develop a C program which accepts character type data item from user. In case if user typed 'A' or 'a', it should display **A for Apple**
'B' or 'b', it should display **B for Bat**
'D' or 'd', it should display **D for Dog**
'F' or 'f', it should display **F for Fan**
Instead of the above 4 characters, if user types any other character, it should display "**Character is not in the range**". Implement this using **if-else statement** and **switch statement**.