

Today's Agenda: **REVISION OF MORE BASIC PROGRAMMING CONCEPTS**

Objectives:

- Revision of if, else-if, switch statements
- Revision of three kinds of loops
- The escape sequences; \n and its counterpart in C++
- Function Overloading revision and seeing it as a part of bigger picture
- Discussion on Structs and its similarity to Classes
- General discussion on five basic concepts of OOP

Lab Tasks:

1. Write a program in C++ to display your name, Branch, Year on the Computer screen without using classes and object. All information should be displayed in the separate line.
Use Function Overloading in following problems w.r.t integer and float values. Function will have same name but type of arguments will differ.
2. Write a menu driven program in C++ to perform all basic arithmetic operation addition, subtraction, multiplication, and division of two given values. Program receives two values and required operation to be performed from the keyboard and display particular result of the required operation.
3. Write a menu driven program in C++ that receives 4 digit integer value and perform following operations (a) Reverse of that no. (b) Sum of number with its reverse (c). sum of alternative digits(e.g. 1 digit+3 digit , 2 digit+4 digit)
4. Write a menu driven program in C++ to receive integer number and convert equivalent binary, octal, hexadecimal number.
5. Write a menu driven program in C++ to perform all basic arithmetic operation addition, subtraction, multiplication, and division of two given values using function and switch case. Program receives two values and required operation to be performed from the keyboard and display particular result of the required operation.

P.S.: Code should be properly indented and commented