Module 1  
What will we learn in this module?

1. Relation between C programming and C++
2. Learn about Setprecision
3. Ternary Operator, Switch Case.
4. String input and output.

1-4;(EOF and Setprecision in C++)

We don’t need to use EOF in c++ if we use cin to take input in a while loop  
Example:

    // In C programming

    while (scanf("%d %d", &a, &b) != EOF)

    {

        printf("%d %d\n", a, b);

    }

    // In C++

    while (cin >> a >> b)

    {

        cout << a << " " << b << endl;

    }

1-5;(If Else and Ternary Operator)

Ternary operator = shortcut if else

1-7; (min(), max(), swap())

For multiple values we can use {} curly braces in these built in functions like this:

    int mn = min({a, b, c, d});

    int mx = max({a, b, c, d});

1-9; (Bits Header File)

<bits/stdc++.h> that include all the important files instead of adding individual header files one by one

1-8; (String input and output in c++)

There are two ways of taking string input in array,

1. fgets(array, array\_size, stdin);
2. cin.getline(array, array\_size);
   1. There is a disadvantage of using this, if we take interger input before the string then the string input won’t work, the newline buffer will destroy input, so for this buffer we have to use getchar(); this will eat the newline.