



SCS 1209 - Object Oriented Programming

Tutorial 03

Write C++ programs for following tasks.

1. Write a program to calculate the absolute value of an integer.
2. Write a program to determine if a number is even or odd.
3. Write a program to
Find the largest of three given numbers
Find the middle value in a set of three values, x, y and z.
 - (a) Using if-else
 - (b) Using Conditional operator
4. Write a program for inserting following messages appropriately (get the temperature as a user input)
Only If Temperature is < 50 then expression is valid, if not user input is invalid.
And then Temperature < 30 – print “Wear the down jacket 1” else “No need to worry about the jacket”
5. The results of an examination are issued after calculating the average of the marks of 3 subjects. The grades of the examination results are categorized into four groups as follows:

Average ≥ 70 – Very Good
 $70 > \text{Average} \geq 55$ – Good
 $55 > \text{Average} \geq 40$ – Pass
Average < 40 – Fail

Write a C++ program to decode the grade of a student when his/her subject marks are given. The error message “Invalid Marks” should output when negative average is computed (if any)

- (a) Using if-else-if
 - (b) Using conditional operator
6. Write a C++ program to convert Centigrade into Fahrenheit and Fahrenheit into Centigrade.