

Lab Work – *if-else* Statement Continued

1. Write a complete C++ program that does the following:
 - Calculates the exact change (coins) that needs to be given.
 - Prompts user to input an integer which represents the total change (cents) that needs to be distributed.
 - Terminates the program if a negative value is entered.
 - Program then calculates and prints the most efficient combination of quarters, nickels, dimes and pennies.

2. Write a complete C++ program that does the following:
 - (a) Declares two variables, exam and programs_done, of type int.
 - (b) Prompts the user to enter the value of exam (score) and the value of programs_done (# of programs written) and stores in respective variables.
 - (c) Outputs the word **Passed** in an *if-else* statement provided the value of the variable exam is greater than or equal to 60 *and* the value of the variable programs_done is greater than or equal to 10.
 - (d) Otherwise, outputs the word **Failed**.

3. Write a complete C++ program that does the following:
 - (a) Declares two variables, temperature and pressure, of type int.
 - (b) Prompts the user to enter the value of temperature and pressure.
 - (c) Outputs the word **Warning** in an *if-else* statement provided that the variable temperature is greater than or equal to 100, or the value of the variable pressure is greater than or equal to 200, or both.
 - (d) Otherwise, the *if-else* statement outputs the word **OK**.