Mini Quiz 7 Topic List

Mini Quiz 7 covers material from **Labs 1-10**, with emphasis on newer material. The following is a summary of what you should know.

New topics:
- Parameters passed by reference (&)
  - Passes the actual location in memory (not just a copy of its value)
  - If the variable is changed in the function, it is changed outside the function also

Also need to remember about:
- Functions
  - Return types (output)
    - When we say a function <u>returns</u> a value, we mean that the return keyword is used
  - Parameters (inputs)
    - When we say a function <u>accepts</u> a parameter, the parameter is passed into the function in the parameter list in the parentheses
    - Passed by value
  - Variables only exist in the function they are declared in
  - Variable types in prototype (declaration) and definition (code) must match
  - Example:
    ```cpp
    // Function prototype
    int addFunc (int a, int b);

    //main program
    int main()
    {
    int i, j, k;
      i = 12;
      j = 8;
      k = addFunc(i, j);
      cout << k;
      return 0;
    }
     //Function
    int addFunc (int a, int b)
    {
      int c;
      c = a + b;
      return c;
    }
    ```

Topics from previous quizzes:
- `switch` cases
- `while` loops
- `do-while` loops

- `for` loops
- Totaler variables
- If-else structures
- Notation for conditional testing
- Variables Types and Operations
- How to use `cin` and `cout` for input and output.
- How to format your output (e.g. putting some information on different lines)

You will complete the quiz **<u>on paper</u>** during class. You will not be allowed to use the computer or any other reference material.