

Mini Quiz 6 Topic List

Mini Quiz 6 covers material from **Labs 1-9**, with emphasis on newer material. The following is a summary of what you should know.

New topics:

- Functions
 - Return types (output)
 - When we say a function returns a value, we mean that the return keyword is used
 - Parameters (inputs)
 - When we say a function accepts a parameter, the parameter is passed into the function in the parameter list in the parentheses
 - Variables only exist in the function they are declared in
 - Variable types in prototype (declaration before main) and definition (code after main) must match
 - Example:


```
// Function prototype
int addFunc (int a, int b);    //takes in 2 ints, returns
int

//main program
int main()
{
  int i, j, k;
  i = 12;
  j = 8;
  k = addFunc(i, j); //flow jumps to function code below
  cout << k;
  return 0;
}

//Function code
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 **on paper** during class. You will not be allowed to use the computer or any other reference material.