

## Mini Quiz 3 Topic List

Mini Quiz 3 covers material from **Labs 1-6**, with emphasis on newer material. The following is a summary of what you should know.

### New topics:

- for loops
  - o Runs a pre-specified number of times
  - o Example that runs 6 times:

```
for(int n = 0; n < 6; n++)
{
    cout << "blah" << endl;
}
```
- Totaler variables
  - o Build off previous values (ex. `total = total + i`)
  - o Should be initialized (given a starting value, like 0)

### Topics from previous quizzes:

- If-else structures
- Notation for conditional testing
  - o `==` equal?
  - o `!=` not equal?
  - o `>`, `<`, `>=`, `<=`
  - o `&&` and
  - o `||` or
- Variables Types and Operations
  - o Arithmetic operations: adding, subtracting, multiplying and dividing.
  - o Modulus (%)
  - o Careful of mixing types (i.e. integer division results in integer answer)
  - o Typecasting
- 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.