

CSC 150 MIDTERM STUDY GUIDE

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The midterm will be comprehensive: covering all topics from the beginning of the course, so make sure you refer to the Week 3 quiz study guide.

Additional concepts covered since include vectors, functions, and recursion. Make sure you can write code to solve problems similar to those in all the labs, through week 4.

Concepts you should understand and be able to define: vector, function, formal parameter, actual parameter, function header/prototype, local variables, global variables, the concept of scope, including local scope, block scope, and global scope. Recursion, recursive functions, base case for recursion.

You should be familiar with, and be able to use, common `string` class member functions:

```
at(int pos)
operator [int pos]
push_back(char ch)
void pop_back()
int length()
```

You should be familiar with, and be able to use, common `vector` class member functions:

```
at(int pos)
operator[int pos]
push_back(T value)
void pop_back( )
int size()
```

There will be more questions that require you to write code than was on the quiz. Make sure you can write code to solve problems similar to the lab assignments and the examples in lecture.