

# Pointers I

## CS 124 – Intro to Software Development

Macbeth – Lesson 9.1



# Agenda

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- Opening Prayer
- Scripture
- Pointers
- Looking Ahead

# Scripture

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## 2 Kings 6:15-17

And when the servant of the man of God was risen early, and gone forth, behold, an host compassed the city both with horses and chariots. And his servant said unto him, Alas, my master! how shall we do?

And he answered, Fear not: for they that be with us are more than they that be with them.

And Elisha prayed, and said, Lord I pray thee, open his eyes, that he may see. And the Lord opened the eyes of the young man; and he saw: and, behold, the mountain was full of horses and chariots of fire round about Elisha.

# Pointer Declarations and Operators

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Pointer Declaration:

```
int x = 42;  
int *selected;
```

Address of:

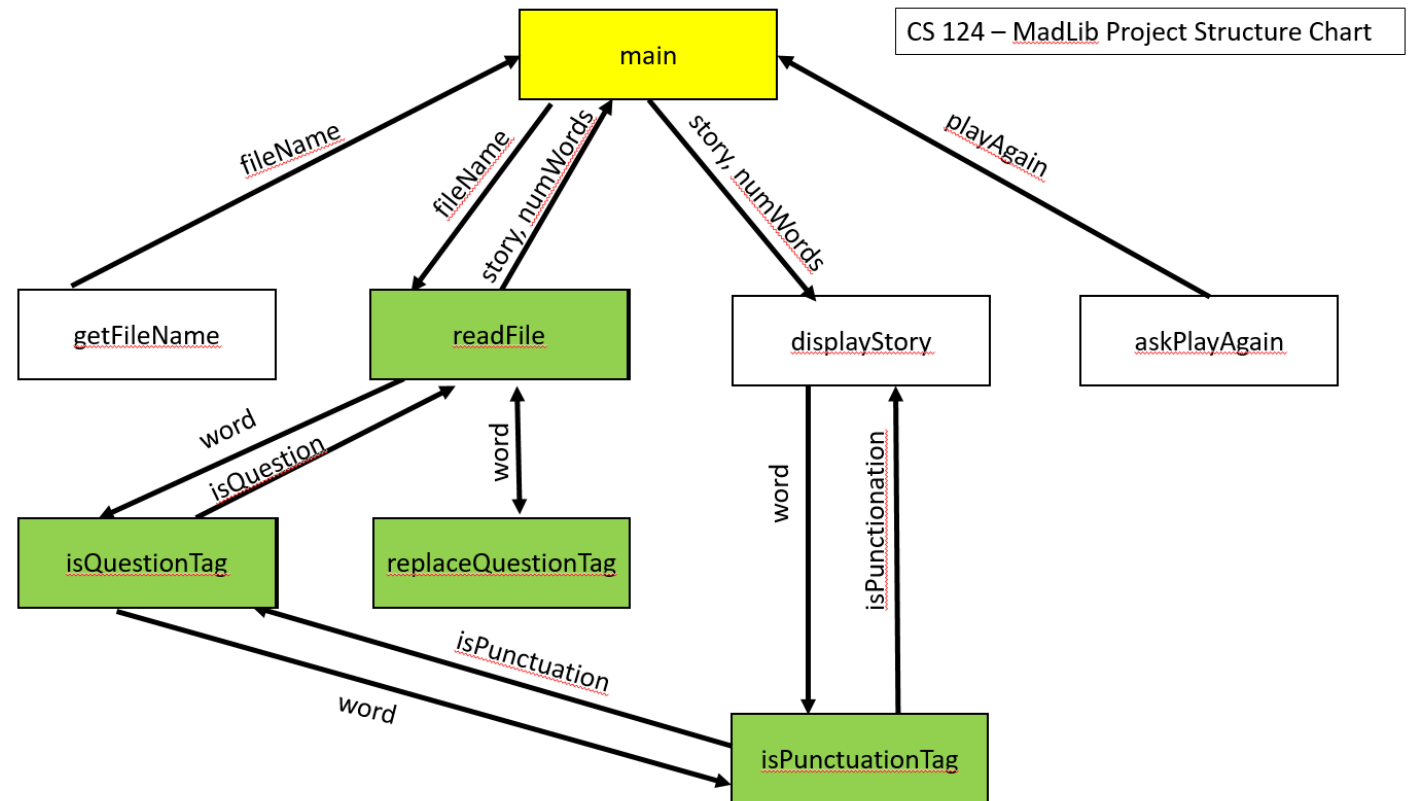
```
selected = &x;
```

Value of (also called dereferencing operator):

```
cout << *selected;
```

# MadLib Project

- Implement the following functions by Saturday (there is a testbed):
  - readFile
  - isQuestionTag
  - isPunctuationTag
  - replaceQuestionTag
  - Enough of the main function to run readFile.
- You should have some of this written by next class. We will be spending part of next class reviewing it.



# Looking Forward

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- Start MadLib coding
- Read the textbook chapter shown in I-Learn
- Attempt the next assignment and bring your questions to class. They will be answered either by what we do in class or by you asking a question.