

Advanced Conditionals

CS 124 – Intro to Software Development

Macbeth – Lesson 9.3

Agenda

- Music Friday
- Opening Prayer
- Switch
- Conditional Expressions
- MadLib Project
- Looking Ahead

Music Friday

Did You Think to Pray?

Ere you left your room this morning,
Did you think to pray?
In the name of Christ, our Savior,
Did you sue for loving favor
As a shield today?

Oh, how praying rests the weary!
Prayer will change the night to day.
So, when life gets dark and dreary,
Don't forget to pray.

Pointer Quiz

Which of these will give me the address of integer variable x?

- A) *x
- B) &x
- C) int *x
- D) int &x

B

Pointer Quiz

Which of these will give me the value stored in address y:

- A) &y
- B) address(y)
- C) *y
- D) int &y

C

Pointer Quiz

What is the output of this code:

```
int data[10] = {2, 4, 6, 8, 10, 12, 14, 16, 18, 20};  
cout << *data;
```

- A) 2
- B) Segmentation Fault
- C) {2, 4, 6, 8, 10, 12, 14, 16, 18, 20}
- D) Some strange address number

A

Pointer Quiz

What is the output of this code:

```
int data[10] = {2, 4, 6, 8, 10, 12, 14, 16, 18, 20};  
cout << *(data + 4);
```

- A) 2
- B) 4
- C) 8
- D) 10

D

Pointer Quiz

How do you increment a char pointer in a loop that is traversing a char array:

- A) `ptr + 1`
- B) `ptr++`
- C) `*ptr++`
- D) `*ptr + 1`

B

Pointer Quiz

Which 2 of these will correctly display the contents of the char array:

B & C

A)

```
char *pos = text;
while (*pos != 0)
{
    cout << pos;
    pos++;
}
```

B)

```
char *pos = text;
while (*pos != 0)
{
    cout << *pos;
    pos++;
}
```

C)

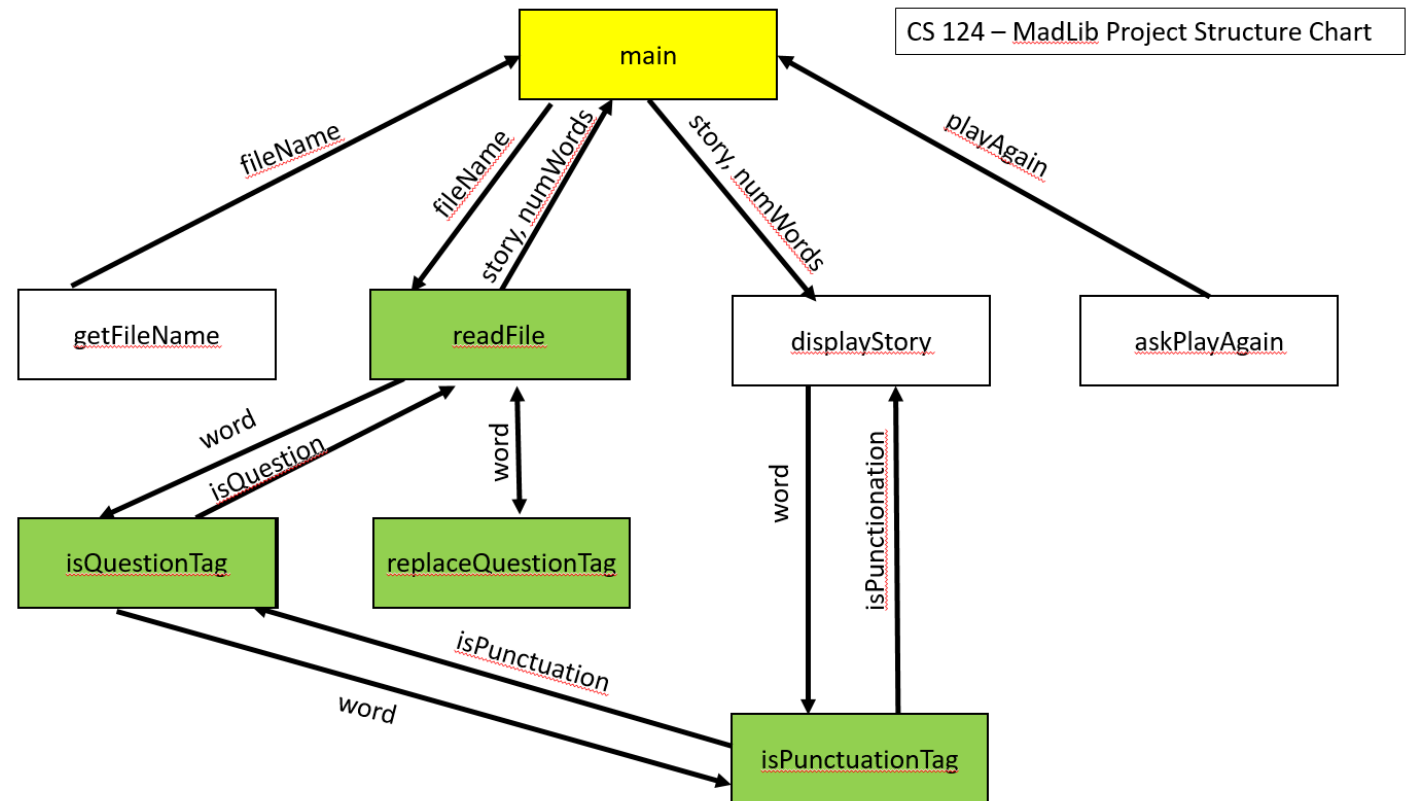
```
for (char *pos = text; *pos != 0; pos++)
{
    cout << *pos;
}
```

D)

```
for (char *pos = text; pos != 0; pos++)
{
    cout << *pos;
}
```

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

- MadLib code due Saturday evening.
- Unit 3 Test – Next Wednesday
 - Work on 3 practice test questions for Monday