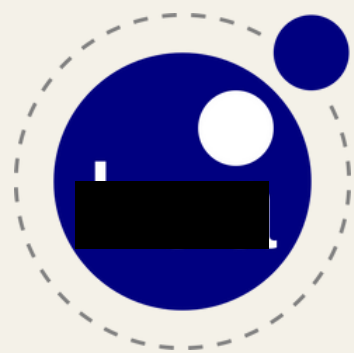


Week 07!

COMP1511 - 24T3



Please fill in the feedback form for week 5 if you haven't (and can remember that far back)?



week 07

Overview

01 ASSIGNMENT01 RECAP

02 PARTS OF A POINTER

03 FUNCTIONS, DIAGRAMS AND POINTERS

04 STRUCT POINTERS

05 COMMAND LINE ARGUMENTS

Assignment 01

Congrats on finishing!

Questions?

How comfortable are we with 2D arrays now?

Any useful takeaways for assignment 2?

Pointers

First, some revision

Pointers

First, some revision

Difference between *int / char* and *int */char **?

Pointers

First, some revision

Difference between *int* / *char* and *int* */*char* *? (diagram)

Pointers

First, some revision

Difference between *int / char* and *int */char **?

How can we find the address of a variable?

Pointers

First, some revision

Difference between *int / char* and *int */char **?

How can we find the address of a variable?

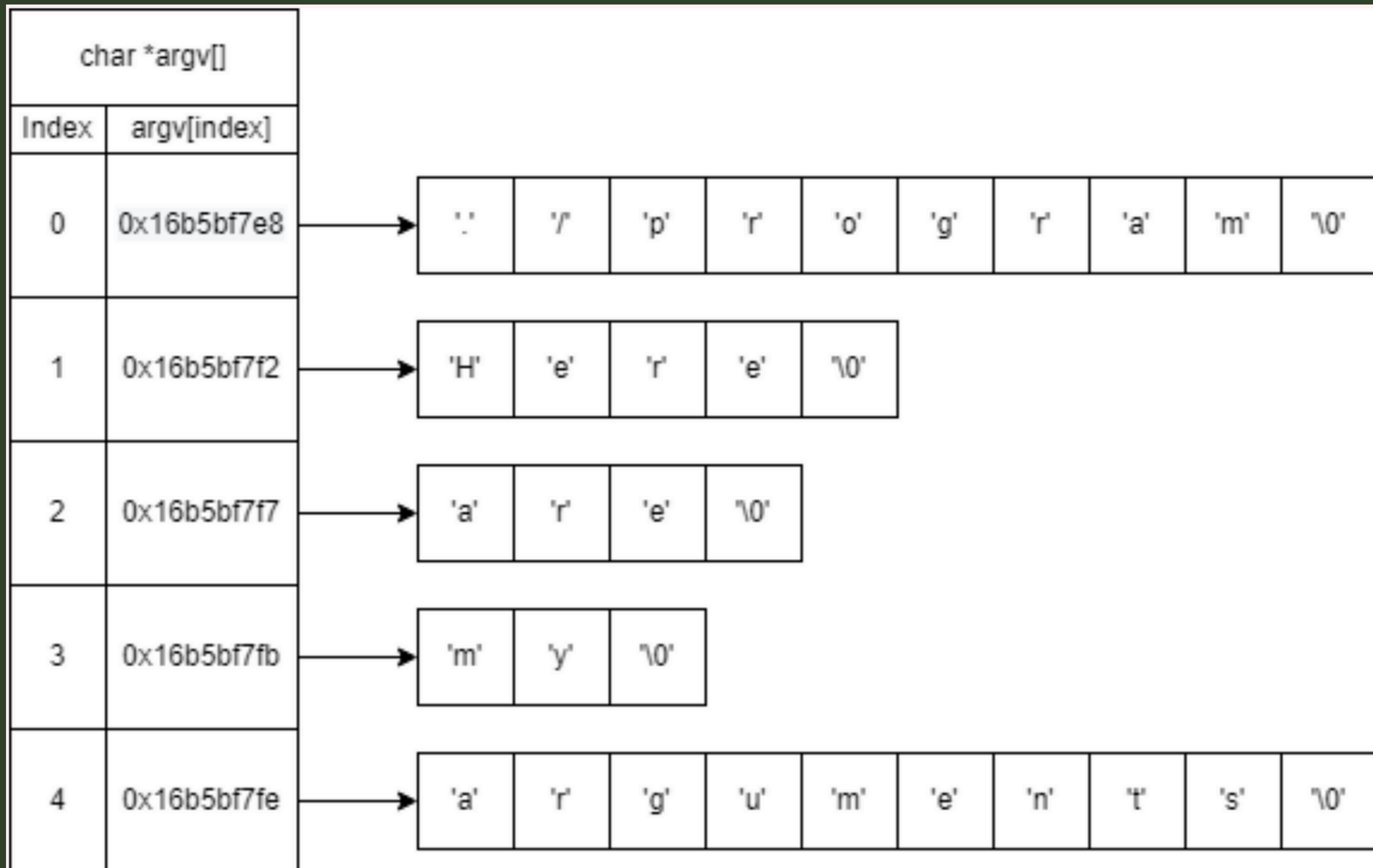
How could we use a pointer to access memory?

Pointers

```
int n = 42;  
int *p;  
int *q;  
p = &n;  
*p = 5;  
*q = 17;  
q = p;  
*q = 8;
```

Coding with Functions and Pointers

CODE!



Command Line Arguments

What is argc?

Command Line Arguments

What is argc?

What is argv?

Command Line Arguments

How could we print the number
of command line arguments?

How could we print all of the command
line args with their indices?

Command Line Arguments

Important Points:

- argc is the count of CLA including the program name
- argv is an array of string, holding the CLA

Lab Time!

Any Questions?