Lecture | | : Better strings in C

CSE 29: Systems Programming and Software Tools

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Announcements

Problem set 3 released and due Wednesday, July 23rd at 10am PT

- Exam 2
 - Sign up to take your exam on <u>prairietest.com!</u>

Demo

Examining stack vs heap addresses

Lower address

compared

with

stack addresses

O, Address Space
OS+code dala Stack

Oxton

Strings in Python are great.

How could we implement a String class in C?

How could we implement a String class in C?

```
struct string {
    uint64_t length; // = strlen(contents)
    char *contents; // has space for length + null terminator
};
```

typedef struct string String;

