CS 208
Fri, 31 March 2023
bash

early Unix command
original Shell: sh
("Bourne shell")
later: "Bourne Again Shell"
bash
`char *s = "dog"`
char *s = 0;
if (fgets(infile, s, 100) == NULL):

fgets tries to write bytes to where s is pointing. Segmentation fault
char *s = malloc(100);

fgets(infile, s, 100)

OK

garbage

100 bytes

s  8 bytes

free(s);
```c
char s[100];
```
int * n = 0;

0 bytes
int j = 5;
int *p = &j;
```c
int x = 32;
int y = 73;

void swap(int *a, int *b)
{
    int saved = *a;
    *a = *b;
    *b = saved;
}

swap(&x, &y);
```