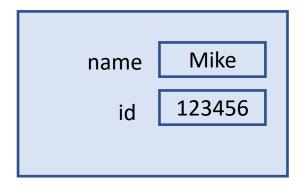
CS 354 Machine Organization and Programming

Lecture 08

Michael Doescher Summer 2020

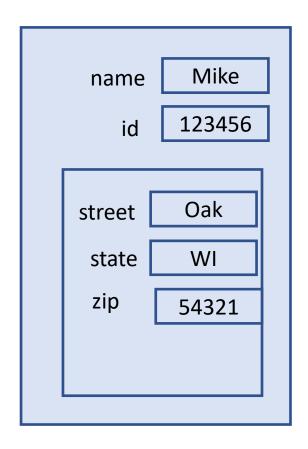
Struct Review



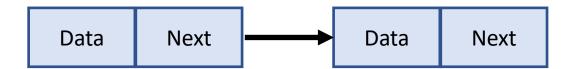
How many bytes does this struct need?

Struct Review

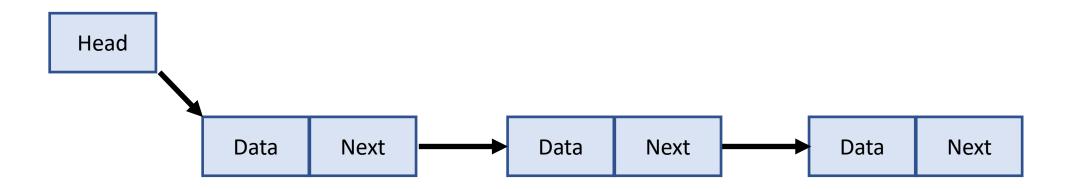
```
#include <stdio.h>
  struct address {
       char street[100];
      char state[3];
      int zip;
7 };
  struct person {
       char name[100];
10
      int id;
       struct address addr;
13 };
```

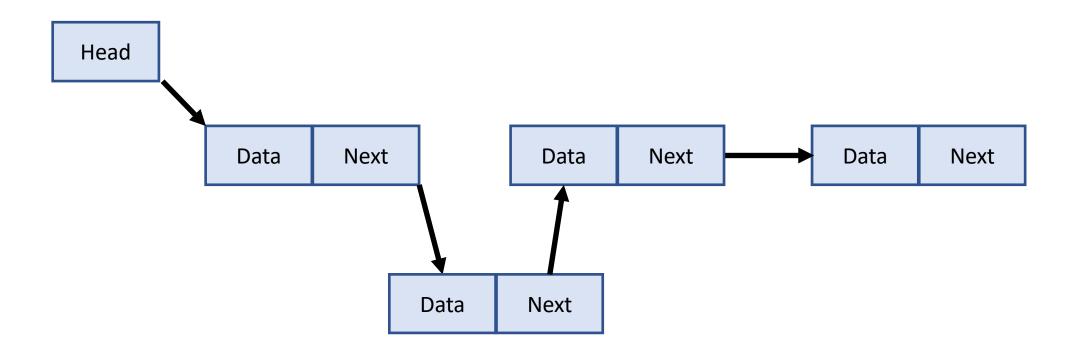


How many bytes does this struct need?









```
1 #include <stdio.h>
2
3 struct node {
4    int data;
5    struct node next;
6 };
```

Does this work?

```
1 #include <stdio.h>
2
3 struct node {
4    int data;
5    struct node *next;
6 };
```

Use a pointer!

Stack

Main

Head

0x1000

