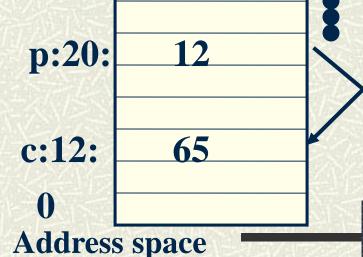
## Memory and Pointers

- In a 64 bit architectures, the size of a pointer is 8 bytes independent on the type of the pointer.

  264-1

Char c = 'A'; //ascii 65 char \* p = &c;



## Ways to get a pointer value

1. Assign a numerical value into a pointer

Char \* p = (char \*) 0x1800;

\*p = 5; // Store a 5 in location 0x1800;

Note: Assigning a numerical value to a pointer isn't recommended and only left to programmers of OS, kernels, or device drivers

## Ways to get a pointer value

2. Get memory address from another variable:

```
int *p;
int buff[ 30];
buff[29]:216:

p = &buff[1];
*p = 78;

buff[1]:104:
buff[0]:100:
P: 96:
```