

1 TPS Activity 1

- 1) The hexadecimal representation of the decimal number 2.
- 2) `sizeof(char)` on my computer is 1 byte, and `sizeof(int)` is 4 bytes. So `four_ints[0]` contains 41414141.
- 5) a) 1 array (`four_ints`).
- 5) b) Yes. They point to the same location.
- 10) C accesses memory in accordance to the type of value you are dealing with. We can see this in `MemCast.c` when we loop through the array of characters, we increment by single bytes; when we do the same for the array of integers we increment by 4 bytes.

2 TPS Activity 2

- 1) Allocates memory to store pointers
- 2) `*(arr + i)`
- 4) so we can know when to stop looping