Rodger Lee

UID: 204914719

CS33: Prof. Reinman

HW 2: Magic 8 Ball

*Q: If the application were to output the value of magic8ball[3][4] – what would it be? i.e. what would be returned from the statement printf(“%s”, magic8ball[3][4])*

Magic8ball[3][4] indicates that it is 3 2D array sizes from the start of the 3D array, in addition to 4 1D array sizes from that. 3\*8\*8 + 4\*8 = 224.

224 from decimal to hex is 0xE0.

Hence, magic8ball[3][4] is at address:

0x7fffffffe000 + 224 = 0x7fffffffe0e0

0x7fffffffe0e0: 0x57 0x72 0x6f 0x6e 0x67 0x00 0x00 0x00

W r o n g NULL (x3)

The application outputs “Wrong”