CSE 31 LAB\_3

C1

. What areas of memory (heap or stack) are affected by the statement ?

C2

. Does any memory get allocated or freed?

C3

. If C2 is true then where is this memory?

C4

. Does the statement result in a memory leak?

int num;

1. Stack
2. n/a
3. n/a
4. no

int \*ptr;

1. Stack
2. No
3. No
4. No

int \*\*handle;

1. Stack
2. No
3. No
4. No

num = 14;

1. Stack
2. No
3. No
4. No

ptr = (int \*)malloc(2 \* sizeof(int));

1. Heap
2. Allocated
3. Heap
4. No

handle = &ptr;

1. Stack
2. n/a
3. n/a
4. no,

\*ptr = num;

1. Heap
2. No
3. N/A
4. No

ptr = &num;

1. Heap
2. No
3. N/a
4. Yes, the address ptr is pointing to variable

handle = (int \*\*)malloc(1 \* sizeof(int \*\*));

1. Heap
2. Allocated
3. Heap
4. No