Project 4A worksheet

Your name: Creston Wilson

Error types:

array bounds read

array bounds write

free memory read

free memory write

freeing unallocated memory

freeing non-heap memory

NULL pointer read

NULL pointer write

uninitialized memory read

Note 1: the errors can be listed in any order.

Note 2: if you modify the programs, make sure to use the line numbers from the unmodified version of the program

Note 3: we are not considering memory leaks to be errors for this exercise

== p1.c ==

Memory error #1

Type of error: free memory read

Location of error: line 33

Location of cause of error: line 30

Memory error #2

Type of error: array bounds write

Location of error: line 20

Location of cause of error: line 18

== p2.c ==

Memory error #1

Type of error: freeing unallocated memory

Location of error: 21

Location of cause of error: 20

Memory error #2

Type of error: free non-heap memory

Location of error: 28

Location of cause of error: 23

Memory error #3

Type of error: array bounds read

Location of error: 13

Location of cause of error: 9

Memory error #4

Type of error: NULL pointer read

Location of error: 31

Location of cause of error: 30

Memory error #5

Type of error: NULL pointer write

Location of error: 32

Location of cause of error: 30

Memory error #6

Type of error: uninitialized memory read

Location of error: 36

Location of cause of error: 35

== p3.c ==

Memory error #1

Type of error: freeing unallocated memory

Location of error: 59

Location of cause of error: 44

Memory error #2

Type of error: free memory read

Location of error: 58

Location of cause of error: 44

Memory error #3

Type of error: uninitialized memory read

Location of error: 35

Location of cause of error: 31

Memory error #4

Type of error: uninitialized memory read

Location of error: 58

Location of cause of error: 41