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CS320 Quality Assurance

HW2

**EX02\_01**

Robust test cases formula: test cases = (6n + 1). This covers all of the minimums and plus or minus one, maximums and plus or minus one and adds the middle.

**EX02\_02**

**EX02\_03**

General:

String min size

String max size

String min size +1

String max size -1

Robust:

String min size -1

String max size +1

Worst Case:

All inputs in the string are at the max

All inputs in the string are 1 beyond max

All inputs in the string are 1 less than max

All inputs in the string are at the min

All inputs in the string are 1 less than the min

All inputs in the string are 1 beyond the min

Mix these different inputs and add variety to the string using min and max boundaries in the same tests

Special:

Divide and multiply by zero

User inputting special characters into string

Program return value that is beyond int or double max

Program return value that is beyond in or double min

Check order of operations is being read correctly

Input doubles and ints in string to check for return type being statically casted

Limit of inputs the program will read from the string

Empty string