

CS39n - Midterm - DIRECTIONS

10/26/2009 7-10pm

Please read all instructions carefully. This exam consists of two parts. The first part should be completed without the use of Scratch and your answers should be written on the paper title "CS39n - Midterm - PART 1". Please note, the Part 1 is significantly shorter than Part 2. Once you complete Part 1, please turn it in before continuing on to Part 2. The second part of the exam will be done on the computer. The exam and all files are available from the BSpace assignments tab. We will drop the question for which you get the lowest score.

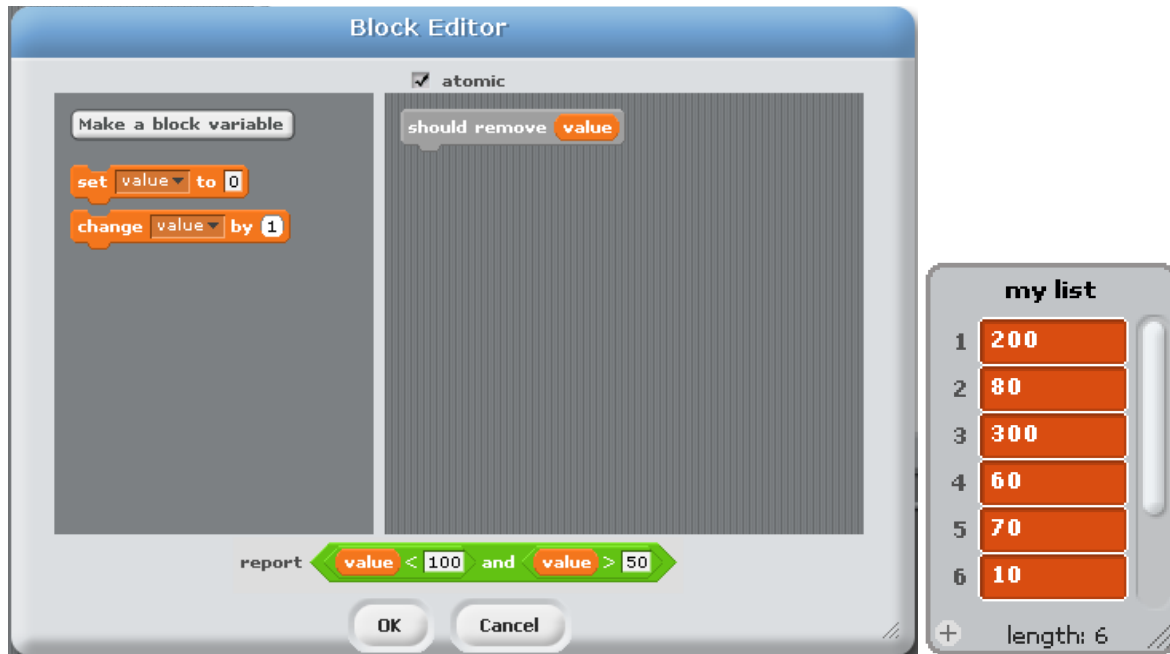
Name:	Instructional login (eg, cs39n-ab):
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(5 pts) Prob 1	
(5 pts) Prob 2	
(5 pts) Prob 3	
(5 pts) Prob 4	

CS39n - Midterm - PART 1

Login: cs39n- _____

1. (6 points) Given the following block “should remove” and the code and contents of the list below, please write the contents of the list “my list” after running the script below.



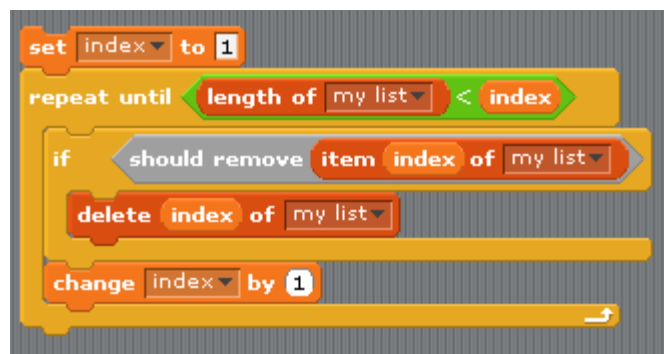
The Block Editor shows a script with the following blocks:

- Make a block variable
- set value to 0
- change value by 1
- should remove value
- report value < 100 and value > 50

The "my list" widget contains the following values:

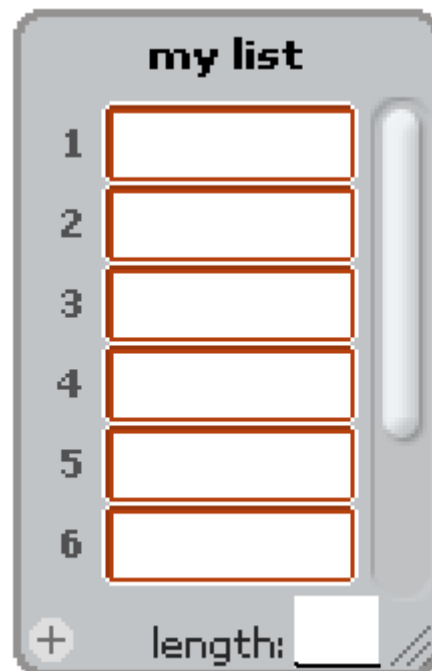
Index	Value
1	200
2	80
3	300
4	60
5	70
6	10

length: 6



The script blocks are:

- set index to 1
- repeat until length of my list < index
- if should remove item index of my list
- delete index of my list
- change index by 1



The "my list" widget is empty, with indices 1 through 6 and a length field.

Index	Value
1	
2	
3	
4	
5	
6	

length: