

day46 review 1

Due: 6th period, Thursday 12/9  
7th period, Friday 12/10

This is a review assignment to prepare you for the final exam.

In the final exam I will have you write a program on repl. Doing all of the things in this review assignment will help you do well on the final.

Today's task has four parts:

Part 1:

Print your name, then a blank line, then "Part 1:", then write a program that asks the user for a positive integer greater than your age using a try/except structure. Print two different error messages, one if they don't enter an integer and a different one if they enter an integer less than your age. Once the user enters a number larger than how old you are, print a series of stars, going from 1 star up to the number of stars the user entered, where you print the current number, then print that number of stars on the same row.

Here is a sample output:

Mr. Hays

Part 1:

```
Please enter a number larger than 15: howdy
It has to be an integer. Please try again.
Please enter a number larger than 15: 5
It needs to be larger than 15. Please try again.
Please enter a number larger than 15: 16
```

```
1 *
2 **
3 ***
4 ****
5 *****
6 *****
7 *****
8 *****
9 *****
10 *****
11 *****
12 *****
13 *****
14 *****
15 *****
16 *****
```

Part 2:

Print a blank line, then print "Part 2:", then add to your program as follows:

Create a list variable named "myList" that has the following contents: [ 3, 14, 6, 7, 12 ]

Print the list as given, print it sorted, print out the maximum value, the minimum value, the average, and the sum of the even numbers in the list.

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Part 4:

Print a blank line, then print the numbers 6 through 85 in 5 columns with tabs between the numbers, except whenever a number is divisible by 7, print two dollar signs instead of that number. See sample output here:

6	\$\$	8	9	10
11	12	13	\$\$	15
16	17	18	19	20
\$\$	22	23	24	25
26	27	\$\$	29	30
31	32	33	34	\$\$
36	37	38	39	40
41	\$\$	43	44	45
46	47	48	\$\$	50
51	52	53	54	55
\$\$	57	58	59	60
61	62	\$\$	64	65
66	67	68	69	\$\$
71	72	73	74	75
76	\$\$	78	79	80
81	82	83	\$\$	85

Call me over to check you off when you are done with everything.