

Lecture 6 questions

(These exercises are taken from chapter 4 in Dierbach. Page 164.)

P1. Write a Python program that prompts the user for a list of integers, stores in another list only those values between 1–100 and displays the resulting list.

P2. Write a Python program that prompts the user for a list of integers, stores in another list only those values that are in tuple `valid_values` and displays the resulting list.

P3. Write a Python program that prompts the user for a list of integers and stores them in a list. For all values that are greater than 100, the string 'over' should be stored instead. The program should display the resulting list.

Hint: to find the number of digits in a number, turn it into a string first.

Q1. Write a Python program that prompts the user for a list of names and stores them in a list. The program should return a sorted list.

Optional exercise 1:

Create a solution to exercise Ch3. P6. in lecture 6 without the if-sentence. You can get the length of an integer like this:
`len(format(my_integer))`