

CPE 100 Practical Programming Test (AE)

Date: November 21, 2018

TIME 14:00-16:00

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| #1 | #2 | #3 | #4 |
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Write a program that takes a number n as integer between 1 to 100. If n is greater or less, retake the number again. Once a valid n is entered, random n number that has value between 1 to 100. And show them with array index in the front. Find min, max, and average of those numbers and show after the list of those numbers. After that, take a filename from user so that the numbers, min, max, and average will be saved.

1. Write a program that takes a number n as integer between 1 to 100. If n is greater or less, retake the number again. (40 pts)
Input n[1-100]: 101
Input n[1-100]: 0
Input n[1-100]: 5
2. random n number that has value between 1 to 100. And show them with array index in the front. (20 pts)
Input n[1-100]: 5
0) 20
1) 95
2) 43
3) 67
4) 15
3. Find min max, and average from the list. (20 pts)
Min = 15 Max = 95 average =48.00
4. Take filename for the data to be saved. (20 pts)
Input a filename: data.txt

Content of data.txt

20 95 43 67 15

Min = 15 Max = 95 average =48.00

Example of the output

Input n[1-100]: 101

Input n[1-100]: 0

Input n[1-100]: 5

0) 20

1) 95

2) 43

3) 67

4) 15

Min = 15 Max = 95 average =48.00

Input a filename: data.txt