**BRAC UNIVERSITY**

Quiz 1 **Department of Computer Science and Engineering**

CSE111: Programming Language II Duration: 25 minutes Marks: 10

| Name: | ID: | Section: 27 |
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| (Please write in CAPITAL LETTERS) |  |  |

Write a function called less\_than\_average which takes a list of strings as a parameter and returns the average length of the strings and a list of strings which are shorter than the average length. Finally, print the returned result in the function call. No need to take user inputs.

**Sample Input 1:**

print(less\_than\_average(["I","love","Programming","in","Python"]))

**Sample Output 1:**

(4.8, ['I', 'love', 'in'])

**Explanation 1:** Here the length of "I" is 1, "love" is 4, "Programming" is 11, "in" is 2 and "Python" is 6, so the average of these 5 strings = (1+4+11+2+6)/5 = 4.8. Hence, the strings "I"-length 1, "love"-length 4, and "in"-length 2 are shorter than the average of 4.8.

**Sample Input 2:**

print(less\_than\_average(["CSE111's","Final","Examination","is","extremely","easy"]))

**Sample Output 2:**

(6.5, ['Final', 'is', 'easy'])

**Explanation 2:** Here average of these 6 strings= (8+5+11+2+9+4)/6 = 6.5. Hence, the strings "Final"-length 5, "is"-length 2, and "easy"-length 4 are shorter than the average of 6.5. . [Marks 10]

[CO 1]