CMSC 105 Elementary Programming

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Practice Exercises

Outline

Exercise 1

- Given 2 lists:

student_id=[100,101,102,103,104,105]

score=[89,65,75,85,90,92]

Write a program that generates a dictionary such that elements in student_id are keys and elements in list score are corresponding values. You can assume that both lists have same length (same number of elements)

- For the dictionary generated by previous exercise, write a program to calculate the mean value of all score values in dictionary.

Exercise 2

- Given a dictionary:

students={101:95,102:67,103:76,104:89,105:98,106:88} with key as student id and value as score for a course.

Write a program that prints the minimum score value in dictionary.

Exercise 3

- Given:

dict1={101:88,102:98,103:49,104:50}

dict2={101:85,102:91,104:45,106:40}

Write a program that generates an updated dictionary with sum of values corresponding to common keys in dict1 and dict2.

Output:

dict3={101: 173, 102: 189, 104: 95}

Thank you!
Questions?