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2 # Fall 2018
3 # Lab 3
4
5 # From Program 2
6 def calcGrade(score): # Calculate letter grade given score
7     if (score >= 90):
8         grade = "A"
9     elif (score >= 80):
10        grade = "B"
11    elif (score >= 70):
12        grade = "C"
13    elif (score >= 60):
14        grade = "D"
15    else:
16        grade = "F"
17
18    return grade
19
20 def gradeReport(gradeDict): # Display Grade Report
21     # Pull keys from dictionary and sort
22     # As in Listing 4.8
23     nameList = list(gradeDict.keys())
24     nameList.sort()
25
26     # Formatting using Chapter 3 string methods
27     # There is an easier way but this all we've seen, so...
28     columnSize = 10
29     print("GRADE REPORT".center(2*columnSize + 1))
30     print("NAME".center(columnSize), "GRADE".center(columnSize))
31     print("-----")
32
33     # Print each key and value
34     # As in Listing 4.8
35     for name in nameList:
36         print(name.ljust(columnSize), gradeDict[name].center(columnSize))
37
38 # Input modified from Program 2
39 numScores = int(input("How many test scores to grade? "))
40
41 gradeDict = {} # Start with empty dictionary
42
43 for i in range(numScores):
44     studentName = input("Name " + str(i+1) + " : ")
45     score = float(input("Score " + str(i+1) + ": "))
46     grade = calcGrade(score)
47     gradeDict[studentName] = grade # Add to dictionary
48
49 print()
50 gradeReport(gradeDict)
51

```

Results

How many test scores to grade? 3

Name 1 : joe

Score 1: 91

Name 2 : Dan

Score 2: 76

Name 3 : Mike

Score 3: 87

GRADE REPORT	
NAME	GRADE

Dan	C
Mike	B
joe	A