

9) Write a program that used for inputting marks and analyzing the result. The program prompts user to enter the number of students and their marks (an integer from 0 to 100). The marks are stored as an array and rearranged in descending order. The program will evaluate the mean and median of the marks, and list out the frequency of each mark obtained by at least one student. A sample is as follows. (Hint: refer to the selection sort on lecture notes)

Enter the number of students: 10

Enter the marks: 54 78 33 62 54 54 83 98 69 78

Arranged marks: 98 83 78 78 69 62 54 54 54 33

Mean: 66.3

Median: 65.5

98 marks: 1 student(s)

83 marks: 1 student(s)

78 marks: 2 student(s)

69 marks: 1 student(s)

62 marks: 1 student(s)

54 marks: 3 student(s)

33 marks: 1 student(s)