# Pseudocode

START

DO

SHOW “##########Computing Test Results##########"

SHOW “How many students would you like to register?"

WHILE selectedNumber == false

SHOW “Enter the number of students: “

Store user input into studentNumber

IF studentNumber != int

SHOW “Try again, please input the number of student as an integer”

ELSE

name ARRAY length = [numberStudents]

grades ARRAY length = [numberStudents]

FOR I = 0; I < numberStudents; i++

WHILE selectName == false

SHOW “Please input student name {0}”, (I +1)

Store user input into studentName

IF studentName == “ “

SHOW “Try again, please input the students name using valid characters"

ELSE

Name[i] = studentName

bool studentGrade = false

WHILE studentGrade == false

SHOW “Please input student grade”

Store inputted grade into inputtedGrade

IF inputtedGrade != int or inputtedGrade > 100 or inputtedGrade < 0

Or inputtedGrade == “ ”

SHOW “Try again, please input the students grade as an integer”

ELSE

studentGrade = true

grades[i] = mark

sort grades ARRAY

reverse grades ARRAY

SHOW “Student grades from highest to lowest marks “

FOR I = 0; I < numberStudents; i++

SHOW grades[i]

SHOW “press Y to restart. press any key to exit.”

Store user input into restart

WHILE restart == “Y”