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Assignment 7 Pseudo code

Program name: ClassifyScores

Description: This program verifies and stores all the scores entered by the user based

On the score they have entered. At last it will display the array if they enter a negative number.

Main

Define terms

0.1 Let score to be a score entered by user

START

1.0 Score ← user's entry

2.0 Do while score=>0

2.1 if verifyScore(score) is true then

2.1.1 storeArray(score, myGrades)

3.0 displayArray(myGrades)

END

verifyScore

Define terms

0.1 Given int score

START

1.0 boolean verify ← true

2.0 if score>100 then

2.1 S.O.P: "the score can't be bigger than 100"

2.2 verify ← false

3.0 if score<0 then

3.1 S.O.P: "The score can't be smaller than zero"

3.2 verify ← false

4.0 return verify

END

storeArray

Define terms

- 0.1 Given int num
- 0.2 Given int array myGrades
- 0.3 Let group to be the number of array that each score belongs to

START

- 1.0 if num=100
 - 1.1 increment myGrades[9]
- 2.0 else
 - 2.1 int group = num/2
 - 2.2 myGrades[group]++

END

displayArray

Define terms

0.1 Given int array myGrades[]

START

END

Methods summary:

verifyScore(): verify that the score is between 0 and 100

storeArray(): store the score into each array that score belongs to. **displayArray**: Display each how many scores are stored in each array.