

prog10 - Abdulrahman Zaiter

EXAM_MAX ← 100.00 **EXAM_MIN** ← 0.00 **ID_MAX** ← 9999 **ID_MIN** ← 1111
EXCELLENT_MAX ← 100 **EXCELLENT_MIN** ← 90 **GOOD_MAX** ← 89 **GOOD_MIN** ← 80 **OK_MAX** ← 79 **OK_MIN** ← 70
WEAK_MAX ← 69 **WEAK_MIN** ← 60 **FAILING_MAX** ← 59 **FAILING_MIN** ← 0 **studCnt** ← 0 **examAvgSum** ← 0 **invalidCnt** ← 0
cntExcellent ← 0 **cntGood** ← 0 **cntOk** ← 0 **cntWeak** ← 0 **cntFailing** ← 0

printHeading()

readRd(studName, studId, sex, exam1, exam2, exam3)

WHILE There is data DO

printRd(studName, studId, sex, exam1, exam2, exam3)

IS (validData(studId, sex, exam1, exam2, exam3)) ?

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examAvg ← avg(exam1, exam2, exam3)
studCnt ← **studCnt** + 1

printInvalidDataMsg()

studGrade ← grade(**examAvg**)

invalidCnt ← **invalidCnt** + 1

countGrades(**studGrade**, **cntExcellent**, cntGood, cntOk, cntWeak, cntFailing)

examAvgSum ← **examAvgSum** + **examAvg**

printAvgAndGrade(**examAvg**, **studGrade**)

readRd(studName, studId, exam1, exam2, exam3)

Is **studCnt** > 0

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printBarChart(**studCnt**, **cntExcellent**, cntGood, cntOk, cntWeak, cntFailing)

printNoValidData()

printMeanOfAllAvg(**examAvgSum**, **studCnt**)

printValidInvalidPerc(**invalidCnt**, **studCnt**)

printValidInvalidPerc(**invalidCnt**, **studCnt**)

output(""< end >"")