prog9 - **Abdulrahman Zaiter**

EXAM_MAX ← 100.00 EXAM_MIN ← 0.00 ID_MAX ← 9999 ID_MIN ← 1111
A_MAX ← 100 A_MIN ← 90 B_MAX ← 89 B_MIN ← 80 C_MAX ← 79 C_MIN ← 70
D_MAX ← 69 D_MIN ← 60 F_MAX ← 59 F_MIN ← 0 studCnt ← 0 maleCnt ← 0
femaleCnt ← 0 cntA ← 0 cntB ← 0 cntC ← 0 cntD ← 0 cntF ← 0

printHeading()

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

examTop ← 0 examAvgTop ← 0

WHILE There is data DO

> printRd(studName, studId, sex, exam1, exam2, exam3)
>
> IS (validData(studId, sex, exam1, exam2, exam3)) ?
>
> V / F
>
> **V branch:**
> examAvg ← avg(exam1, exam2, exam3)
> studCnt ← studCnt + 1
>
> IS (sex = 'M') ?
>
> V / F
>
> | maleCnt ← maleCnt + 1 | femaleCnt ← femaleCnt + 1 |
>
> studGrade ← grade(examAvg)
>
> > countGrades(studGrade, cntA, cntB, cntC, cntD, cntF)
> >
> > assignTopExam(exam1, exam2, exam3, examTop)
> >
> > assignTopAvg(studId, examAvg, examAvgTop, examAvgTopId)
> >
> > printAvgAndGrade(examAvg, studGrade)
>
> **F branch:**
> printInvalidDataMsg()
>
> readRd(studName, studId, exam1, exam2, exam3)

Is studCnt > 0 ?

V / F

V branch:
maleAndFemalePrec(studCnt, maleCnt, femaleCnt, malePerc, femalePerc)

printBarChart(studCnt, cntA, cntB, cntC, cntD, cntF)

printPrec(malePerc, femalePerc)

printBets(examTop, examAvgTop, examAvgTopId)

F branch:
printNoValidDataForTopAndPerc()

output("*< end >*")