

Hierarchy Chart

Homework #2

Legend

TERM = term
ID = studentID
STUDENTS = totalStudentCount
HOURS = hoursCompleted
TOTAL_HOURS = totalHours4AllStudents
AVG_HOURS =
averageStudentHoursCompleted
GPA = gpa
HIGH_GPA = highGPA
HIGH_GPA_ID = highGPAstudentID

Report all the Inputs and the total amount of students,
total amount of hours for all students, the average hours
completed by all students, the highest gpa, student id of
student with highest gpa

Initialize
Variables

Input TERM

Process ID

Process Hours

Process GPA

Report
TERM, ID, GPA, HOURS,
STUDENTS, TOTAL_HOURS,
AVG_HOURS, HIGH_GPA,
HIGH_GPA_ID

Input ID

Update
STUDENTS

Input HOURS

Update
TOTAL_HOURS,
AVG_HOURS

Input GPA

Update
HIGH_GPA,
HIGH_GPA_ID

Input -1