

Simple C Project

Input file: CSV (comma separated value)

All grades are rounded to whole numbers (0 - 100)

Student data: Name, ID, Age, Email, 5 subject grades (in order)

Students are taking 5 subjects

- LINEAR ALGEBRA(LAG) (4 credit hours)
- CALCULUS (CAL) (4 credit hours)
- STATISTICS (STAT) (3 credit hours)
- COMPUTER NETWORKS (CPEN) (3 credit hours)
- ALGORITHM AND PROGRAMMING II (ALP) (4 credit hours)

Percent grades (0 - 100) are stored in int array of grades

percent_grade[0] = LAG

percent_grade[1] = CAL

percent_grade[2] = STAT

....

percent_grade[4] = ALP

Percent grade will be converted to 4.0 scale

Letter Grade	Percent Grade	4.0 scale
A+	97-100	4.0
A	93-96	4.0
A-	90-92	4.7
B+	87-89	3.3
B	83-86	3.0
B-	80-82	2.7
C+	77-79	2.3
C	73-76	2.0
C-	70-72	1.7
D+	67-69	1.3
D	65-66	1.0
F	BELOW 65	0.0

Then it will be stored to array of characters (example)

letter_grade[0] = A

letter_grade[1] = B

...

letter_grade[4] = B+

The final_grade will be calculated by dividing total quality_points divided by total credit hours