

## **Cohort 20 Project Brief**

## Challenge!

Albert is a science teacher. The following are his students and their exam scores

STUDENT	CHEM	BIO	PHY	MATH	
David	46	46	76	81	
samuel	86	86		49	
Kelechi	57	57	69	63	
Chiamaka	87	88	-	-	
Oshinlolu	98	-	-	55	
Belonwu	45	-	39	99	
Samson	-	78.	85	77	
Chidiebere	-	90	81	78	
Mercy	-	-	84	90	
Efe	67	70	78	-	
Bello	54	56	-	60	
Maryrose	59	68	54	-	

## TASK:

- A. provide interphase for Albert to load student name, course and exam score.
- B. Build capability to compute student average score across all subjects taken by the student
- C. compute student grades per subject (use the grading scheme below)
- D. compute final grade (All Subjects combined) for each student. Using the following scheme:
  - a. 80 − 100 → A
  - b.  $70 80 \rightarrow B$
  - c.  $60 70 \rightarrow C$
  - d.  $50 60 \rightarrow D$
  - e. Below 50 → F
- E. assign Exam Status:
  - a. If student has all A , B or C in all subjects → Pass
  - b. If Student has AT LEAST a D in any one subject → Retake Exam (Subjects)
  - c. If student has an F in at least one subject → Fail (Subjects
- F. provide interphase for Albert to fetch any specified students' performance record. Record should be on a table like the following;

Student name	Chem	Bio Grade	Phy	Math	Overall	Exam
	Grade		Grade	Grade	Grade	Status
a.	b.	C.	d.	e.	f.	g.

h.

G. BONUS: Generate a table of exam results for each subject

## SUBMISSION DEADLINE:

July 15, 2023

Submit on https://globalcampus.onecampus.co