

CSE 1008

Excel Assignment

There are 10 students in CSE1108 course and their grade sheet is given below:

| Name | Quiz-1 (out of 5) | Quiz-2 (out of 5) | Quiz-3 (out of 5) | Quiz-4 (out of 5) | Quiz-5 (out of 5) | Assignment - 1 (out of 5) | Assignment - 2 (out of 5) | Assignment - 3 (out of 5) | Mid (out of 30) | Final (out of 50) | Lab (out of 25) |
|---------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|------------------------------|------------------------------|-----------------|-------------------|-----------------|
| Samiha | 1 | 5 | 0 | 1 | 4 | 2 | 5 | 4 | 12 | 15 | 12 |
| Sultana | 5 | 4 | 0 | 5 | 4 | 5 | 4 | 1 | 15 | 48 | 25 |
| Juamana | 4 | 3 | 1 | 2 | 4 | 0 | 1 | 4 | 15 | 15 | 17 |
| Fattah | 3 | 2 | 1 | 4 | 4 | 1 | 0 | 1 | 13 | 44 | 15 |
| Sadi | 2 | 5 | 0 | 1 | 5 | 2 | 2 | 1 | 28 | 18 | 15 |
| Zaifan | 2 | 4 | 3 | 4 | 1 | 2 | 1 | 2 | 30 | 18 | 16 |
| Bijoy | 1 | 1 | 5 | 5 | 0 | 4 | 3 | 0 | 26 | 37 | 20 |
| Fuad | 2 | 0 | 3 | 0 | 0 | 1 | 4 | 4 | 12 | 28 | 8 |
| Amir | 4 | 5 | 1 | 3 | 0 | 3 | 3 | 5 | 7 | 2 | 11 |
| Anne | 4 | 0 | 1 | 3 | 1 | 2 | 4 | 5 | 8 | 3 | 19 |

Tasks:

- 1) a) Create a table in excel with the given values.
 b) Give a heading for the given table above stating "CSE1108 GRADE SHEET". Make sure it is center aligned, and bold.
 c) Make the heading of each of the columns bold, and color these boxes light blue, and ensure that they are center aligned.
- 2) a) Find the average of the 3 assignments and round it to 2 decimal places for each of the students.
 b) Find the total of the best four quizzes for each of the students.
(Hint: You have to find the best 4 quizzes and then sum them)
- 3) Convert the marks of midterm out of 20 and also the marks of final exam out of 30. **Round them to 2 decimal places.**

- 4) You have to sum the marks and calculate the total out of 100. If the values are fractional then round up the values to the nearest large integer. ***(Total = Total of best 4 quizzes + Average of Assignments + Mid (out of 20) + Final (out of 30) + Lab)***

Example:

67.57 will be 68.

55.10 will be 56.

- 5) Color the final marks according to the following distinctions:

>= 90 color it by green

>= 80 color it by orange

>=70 color it by yellow

>= 60 color it by purple

>= 50 color it by blue

< 50 color it by red

- 6) Make a column for representing the grades obtained. If the total mark is:

>=90 give Grade A beside it

>=80 give Grade B beside it

>=70 give Grade C beside it

>=60 give Grade D beside it

>=50 give Grade E beside it

<50 give Grade F beside it

- 7) The university requires that the students who got a **Grade F** or got **less than 25 out of 50** in the finals must repeat the course. Create another column to find out which students must repeat CSE1108, and write "REPEAT" in that column, otherwise leave the cell blank.

- 8) Now, find out what percentage of the students obtained which grade. You will display this in a pie chart and a bar chart.

Follow the steps:

- In the same sheet, below the table of CSE1108 GRADE SHEET (say about 4 rows below), generate a small table with 2 columns (Grades and Counts). Give a header "For Charts".
- In the Grade's column, write all the grades from A-F. Then, for the Counts column, use a COUNTIF function to find the number of students who got the grade corresponding to the left cell.
- You have to divide the value from the COUNTIF function with the number of students. Then, convert it into percentages.
- Then, use this table to generate your charts.

Sample Output:

| CSE101 GRADE SHEET | | | | | | | | | | | | | | | | | | |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|-----------------|-----------------|-------------------|-------------------|-----------------|-------|-------|---------|
| Name | Quiz-1 (out of 5) | Quiz-2 (out of 5) | Quiz-3 (out of 5) | Quiz-4 (out of 5) | Quiz-5 (out of 5) | TOTAL of Best 4 quizzes | Assignment - 1 (out of 5) | Assignment - 2 (out of 5) | Assignment - 3 (out of 5) | AVERAGE of Assignments | Mid (out of 30) | Mid (out of 20) | Final (out of 50) | Final (out of 30) | Lab (out of 25) | TOTAL | GRADE | Remarks |
| Samiha | 1 | 5 | 0 | 1 | 4 | 11 | 2 | 5 | 4 | 3.67 | 12 | 8 | 15 | 9 | 12 | 44 | F | REPEAT |
| James | 5 | 4 | 0 | 5 | 4 | 18 | 5 | 4 | 1 | 3.33 | 30 | 20 | 48 | 28.8 | 25 | 96 | A | |

**** You need to upload your assignment in the following google form: <https://forms.gle/VcPEewsPZHkyFTst8>**