Kurasa Data Analyst Intern Interview Questions

Using the dataset attached on the email, (kurasa_exercise.sql) attempt exercise 1 and 2. Put your answers in a file ***your_name_exercise_1_2_may.sql*** on this thread.

EXERCISE 1.
In this exercise you will be working with Grade 2 Green(id:119) of school 16 as found on TABLE *streams*, TABLE *cbc_assesments* to see scores AND TABLE *subjects* to see subjects. Note that the column *indicator_score* in TABLE *cbc_assesments* is the score we are referring to.

Do an SQL query(s) that shows the distribution of scores for each subject taken Grade 2 Green in whichever format.

you can give output in whichever format - below is a sample output on my side. For example I am showing that 9 students scored 2 and 28 students scored 3 in Literacy Activities.

Literacy Activities,15,"{""(2,9)"",""(3,28)""}"
Environmental,13,"{""(1,1)"",""(2,9)"",""(3,25)""}"
Music,11,"{""(1,1)"",""(2,13)"",""(3,22)""}"
Hygiene and Nutrition Activities,9,"{""(1,1)"",""(2,14)"",""(3,18)""}"
Christian Religious Education ,6,"{""(2,13)"",""(3,23)""}"
Mathematics,3,"{""(1,2)"",""(3,19)"",""(2,12)""}"
Kiswahili,1,"{""(3,22)"",""(2,14)""}"

EXERCISE 2.

a) Describe in a paragraph or two how you can fetch/show syllabus coverage for a mathematics teacher in Grade 2 Green using the data in context below
b) Show the percentage of the syllabus coverage in (a) above and the query you have used to get to the answer.

Context
TABLE *indicator_assessments*
TABLE *cbc_assesments*
TABLE *subjects*
Topics and subtopics can be found in the respective tables
TABLE *ztbl_course_plan*
TABLE *ztbl_course_subtopics*