Consider the relational schema in Univeristy_K.sql, which consists of student information (*student_K* table), information about courses (*course_K* table) and information about student grades (*grades_K* table).

1. Print the names of students who have obtained an 'A'-grade for "Database Management Systems II" and having a gpa of above 3.0.   (4 marks)

2. For all students who have the character "i" in their name, print the student name and number of courses that the student has completed.

   (A student has completed a course if he/she has obtained a grade for the subject in the *grades_K* table. A student who has not completed any courses should be printed a value 0 -- zero).   (7 marks)

3. Find the batch that has the highest average GPA.   (9 marks)

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Question 1   Not yet answered   Not graded   ⚑ Flag question

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Find the name of the student who has the highest gpa among the students from Matara.

(5 marks)

For each student who has completed more than two courses, print the student name and number of courses that he/she has completed.
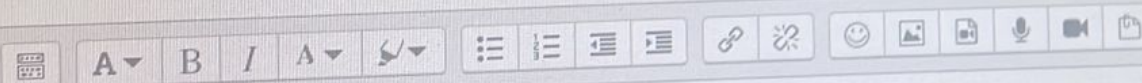
(A student has completed a course if he/she has obtained a grade for the course in the *grades_K* table.)

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For each student who has completed more than two courses, print the student name and number of 'B' grades obtained.

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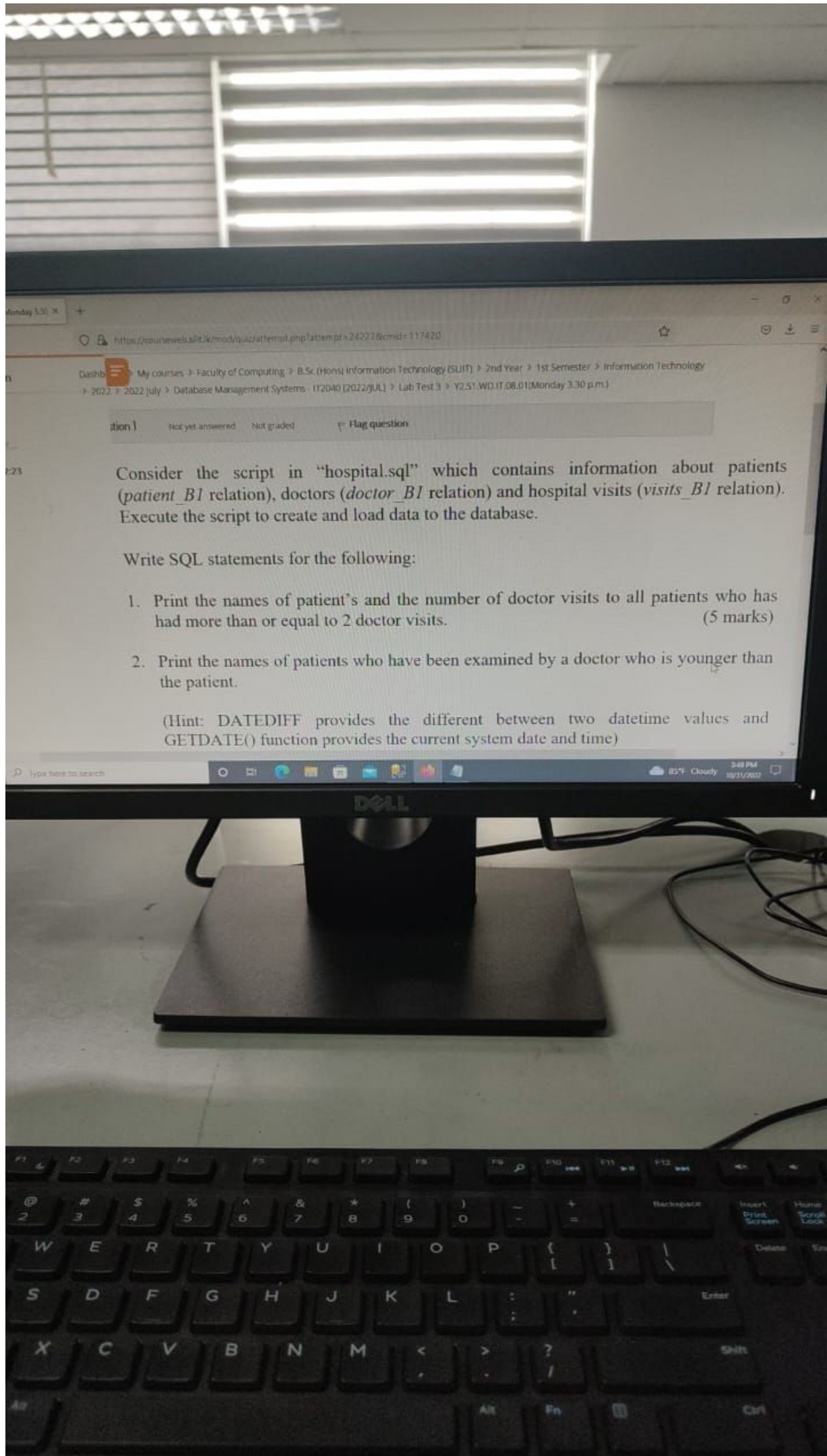3. Find the batch that has the highest average GPA.   (9 marks)

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Consider the script in "hospital.sql" which contains information about patients (*patient_B1* relation), doctors (*doctor_B1* relation) and hospital visits (*visits_B1* relation). Execute the script to create and load data to the database.

Write SQL statements for the following:

1. Print the names of patient's and the number of doctor visits to all patients who has had more than or equal to 2 doctor visits.   (5 marks)

2. Print the names of patients who have been examined by a doctor who is younger than the patient.

    (Hint: DATEDIFF provides the different between two datetime values and GETDATE() function provides the current system date and time)