**Assignment - SQL Commands**

1. Create a table called "students" with the following columns: "id" (integer, primary key), "name" (text), "age" (integer), "gender" (text), and "major" (text).
2. Insert a new row into the "students" table with the following values: id=1, name='John Smith', age=22, gender='Male', major='Computer Science'.
3. Write a SQL query to retrieve the names of all students in the "students" table.
4. Write a SQL query to retrieve the names and ages of all female students in the "students" table.
5. Write a SQL query to update the age of the student with id=1 to 23.
6. Create a new table called "courses" with the following columns: "id" (integer, primary key), "name" (text), and "description" (text).

**DATABASE CREATION: -**

1. Create a database ‘classroom’
2. Create a table named ‘science\_class’ with the following properties
   1. columns(enrollment\_no int, name varchar, science\_marks int)

**INSERTING & IMPORTING: -**

1. Insert the following data into science\_class using the insert into command

|  |  |  |
| --- | --- | --- |
| 1 | popeye | 33 |
| 2 | olive | 54 |
| 3 | brutus | 98 |

1. import data from CSV file ‘student.csv’ attached in resources to science\_class to insert data of the next 8 students

**SELECT & WHERE: -**

1. Retrieve all data from the table ‘Science\_Class’
2. Retrieve the name of students who have scored more than 60 marks
3. Retrieve all data of students who have scored more than 35 but less than 60 marks
4. Retrieve all other students i.e., who have scored less than or equal to 35 or more than or equal to 60.

**UPDATING TABLES: -**

1. update the marks of popeye to 45
2. delete the row containing details of the student named ‘robb’
3. Rename column ‘name’ to ‘student\_name’