

Database:

The screenshot shows the H2 Console web interface. The browser address bar displays `localhost:9000/h2-console/login.do?sessionId=d41a10a5dfe51a2460631dec0cfc9209`. The left sidebar shows the database structure: `jdbc:h2:mem:student`, `STUDENT`, `INFORMATION_SCHEMA`, `Sequences`, `Users`, and `H2 2.1.214 (2022-06-13)`. The main area contains a SQL statement input field with `SELECT * FROM STUDENT`. Below the input field, the results of the query are displayed as a table with 9 rows and 6 columns: `ID`, `ENGLISH`, `MATH`, `NAME`, `SCIENCE`, and `SEM`. The table contains the following data:

ID	ENGLISH	MATH	NAME	SCIENCE	SEM
1	98	99	Vishnu	97	1
2	96	95	Vishnu	94	2
3	96	95	Vishnu	94	2
4	67	68	Sam	70	1
5	56	57	Sam	59	2
6	54	64	Rahul	34	1
7	45	65	Rahul	45	2
8	32	43	Amol	54	1
9	32	43	Amol	34	2

Below the table, it indicates `(9 rows, 1 ms)` and an `Edit` button.

Webpages:

a) Add student page:

The screenshot shows the 'Add Student' web page. The page has a form with the following fields:

- Name:
- Semester:
- English Mark:
- Math Mark:
- Science Mark:

At the bottom right, there are two buttons: `Submit` and `Go to report page`.

B) Report page:

H2 Console

Report

localhost:9000/semesterClassAverage?sem=1

Google

YouTube

Maps

Python for finance...

Reinforcement Lear...

Stock prediction usi...

LSTM Recurrent Ne...

Predicting Stock Pri...

Learn Data Structur...

Gmail

Standard Template...

Report

Class Average

Semester

Select Semester

Class Average is 65

Find Class Average

Subject Average

Subject Name

Subject Name

Subject Average of is

Find Subject Average

Top Students

Top 2 students are and

Find Top 2 students

Home

i)Class Average Function:

Class Average

Semester

Select Semester

Class Average is 65

Find Class Average

ii) Subject Average Function:

Subject Average

Subject Name

english

Subject Average of english is 64

Find Subject Average

iii)Top Student Function:

Top Students

Top 2 students are Vishnu and Sam

Find Top 2 students

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