

Bangladesh University of Business and Technology



LAB REPORT

Experiment Date :

Experiment No : 01

Course Title : Database System

Course Code : CSE 208

Experiment Name: Student Table

Submitted By:

Name : Md. Shakib khan Anoy

ID No : 20244203066

Intake : 47

Section : 2

Program : B.Sc. in CSE

Submitted To:

Name : Zobaer Al Khalil Zihad

(Lecturer)

Dept. of CSE

**Bangladesh University of
Business & Technology**

Date of Submission :

1.Find the names of all students whose CGPA is greater than 30.

Ans:

Code- `SELECT Name FROM student WHERE CGPA > 3.50;`

Output-

Extra options
Name
Zakir
Urmi
<input type="checkbox"/> Show all Number of rows: 25 ▼ Filter rows: <input type="text" value="Search this table"/>

2. Add a Student information randomly with the name “Alif”.

Ans:

Code - `INSERT INTO student VALUES("Alif",6,106,44,2,3.61);`

Output -

Show query box

✓ 1 row inserted. (Query took 0.0830 seconds.)

`INSERT INTO student VALUES("Alif",6,106,44,2,3.61);`

[\[Edit inline \]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

3.Find the name and CGPA of each student order by their CGPA(Ascending order)

Ans:-

Code:- `SELECT Name, CGPA FROM student ORDER BY CGPA ASC;`

Output:-

Extra options

					Name	CGPA	1
<input type="checkbox"/>		Edit		Copy		Delete	Ashraful 3.30
<input type="checkbox"/>		Edit		Copy		Delete	Tonny 3.50
<input type="checkbox"/>		Edit		Copy		Delete	Tonny 3.50
<input type="checkbox"/>		Edit		Copy		Delete	Alif 3.61
<input type="checkbox"/>		Edit		Copy		Delete	Urmi 3.96
<input type="checkbox"/>		Edit		Copy		Delete	Zakir 3.98

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

☐ Show all
 Number of rows: 25
 Filter rows: Search this table

4.Add a column names age in the student relation and update age for all the students.

Ans:-

Code:- ALTER TABLE student ADD COLUMN Age int;

Output:-

Extra options

←

T

→

▼

Name

St_id



















NID

Intake

Section

CGPA


Age


<input type="checkbox"/>	 Edit	 Copy	 Delete	Ashraful	1	102	44	1	3.30	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	Tonny	2	101	45	2	3.50	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	Zakir	3	103	44	3	3.98	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	Urmi	4	104	41	2	3.96	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	Tonny	5	105	42	1	3.50	NULL
<input type="checkbox"/>	 Edit	 Copy	 Delete	Alif	6	106	44	2	3.61	NULL


↑


☐ Check all

With selected:

 Edit

 Copy

 Delete

 Export

☐ Show all

Number of rows: 25 ▼

Filter rows:

Sort by key: None ▼

-UPDATE student SET Age = 19 WHERE St_id = 1;
 UPDATE student SET Age = 20 WHERE St_id = 2;
 UPDATE student SET Age = 22 WHERE St_id = 3;
 UPDATE student SET Age = 25 WHERE St_id = 4;
 UPDATE student SET Age = 22 WHERE St_id = 5;
 UPDATE student SET Age = 20 WHERE St_id = 6;

The screenshot shows a database management interface with a menu bar at the top containing: Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and More. Below the menu, there are five query execution results, each in a yellow box. Each result shows a green checkmark, the text "1 row affected. (Query took 0.0003 seconds.)", and the SQL query: `UPDATE student SET Age = 19 WHERE St_id = 1;`, `UPDATE student SET Age = 20 WHERE St_id = 2;`, `UPDATE student SET Age = 22 WHERE St_id = 3;`, `UPDATE student SET Age = 25 WHERE St_id = 4;`, and `UPDATE student SET Age = 22 WHERE St_id = 5;`. Below each query is a blue bar with links: [Edit inline], [Edit], and [Create PHP code]. At the bottom, there is a console area with a black icon and the text [Console], [Edit], and [Create PHP code].

5. Find the id of all those students who are from 44 intake or CGPA is less than 3.40

Ans:-

Code:-SELECT St_id FROM student WHERE Intake = 44 AND CGPA < 3.40;

Output:-

The screenshot shows a database query result interface. At the top, there is a button labeled "Extra options". Below it is a table with one column labeled "St_id". The table has one row with the value "1". To the right of the table, there is a button labeled "Edit" and a button labeled "Copy". Below the table, there is a button labeled "Delete". At the bottom, there is a button labeled "Check all" and a button labeled "With selected:". To the right of these buttons, there is a button labeled "Edit". At the very bottom, there is a button labeled "Show all" and a dropdown menu labeled "Number of rows:" with the value "25" and a downward arrow.

6. Find the Id of all those students whose CGPA is 3.30 or 3.50 or 3.96.

Ans:-

Code:- `SELECT St_id FROM student WHERE CGPA IN (3.30,3.50,3.96);`

Output:-

Extra options

	St_id
<input type="checkbox"/> Edit Copy Delete	1
<input type="checkbox"/> Edit Copy Delete	2
<input type="checkbox"/> Edit Copy Delete	4
<input type="checkbox"/> Edit Copy Delete	5

7. Find the students from section 1 with the cgpa greater than 3.40.

Ans:-

Code:- `SELECT * FROM student WHERE Section = 1 AND CGPA > 3.40;`

Output:-

Extra options

	Name	St_id	NID	Intake	Section	CGPA	Age
<input type="checkbox"/> Edit Copy Delete	Tonny	5	105	42	1	3.50	22

↑ ☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 Filter rows: Search this table

8. Find the name of all students whose age is greater than 22 and CGPA is greater than 3.50.

Ans:-

Code:- `SELECT Name FROM student WHERE Age > 22 AND CGPA > 3.50;`

Output:-

Extra options

	Name
<input type="checkbox"/> Edit Copy Delete	Urmi

↑ ☐ Check all With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 Filter rows: Search this table