

Assignment-2

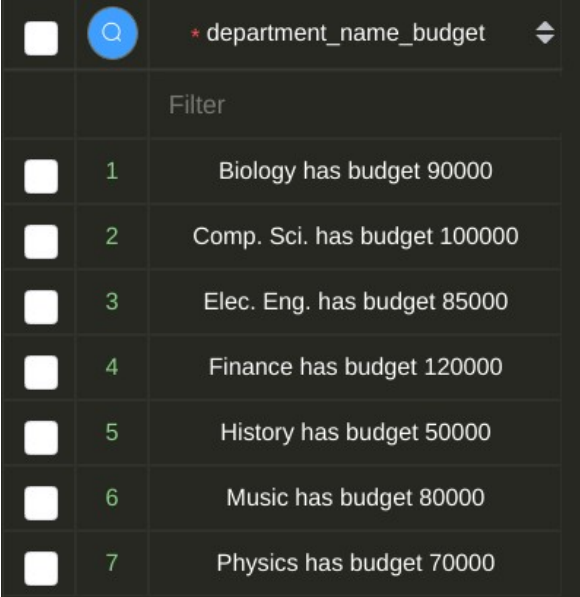
DBMS(CSP362)

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1. Select d_name and budget and combine them to show as department_name_budget using Alias (AS) from the department table.

Ans. SELECT CONCAT(d_name,' has budget ', budget) AS department_name_budget FROM department ;




The screenshot shows a database query result in a dark-themed interface. At the top, there is a search bar with a magnifying glass icon and a dropdown menu showing the table name 'department_name_budget'. Below the search bar is a 'Filter' input field. The main table displays 7 rows of data, each with a checkbox, a green number (1-7), and a concatenated string of the department name and budget.

		* department_name_budget
		Filter
<input type="checkbox"/>	1	Biology has budget 90000
<input type="checkbox"/>	2	Comp. Sci. has budget 100000
<input type="checkbox"/>	3	Elec. Eng. has budget 85000
<input type="checkbox"/>	4	Finance has budget 120000
<input type="checkbox"/>	5	History has budget 50000
<input type="checkbox"/>	6	Music has budget 80000
<input type="checkbox"/>	7	Physics has budget 70000

2. Select S_id as Student ID, S_name as Student Name show then using AS alias.

ANS. SELECT S_ID as Student_ID,S_NAME as Student_Name from student;



The screenshot shows a database query result in a dark-themed interface. At the top, there are two search bars with magnifying glass icons and dropdown menus showing the table names 'Student_ID' and 'Student_Name'. Below the search bars are two 'Filter' input fields. The main table displays 13 rows of data, each with a checkbox, a green number (1-13), and the student's ID and name.

		* Student_ID	Student_Name
		Filter	Filter
<input type="checkbox"/>	1	00128	Zhang
<input type="checkbox"/>	2	12345	Shankar
<input type="checkbox"/>	3	19991	Brandt
<input type="checkbox"/>	4	23121	Chavez
<input type="checkbox"/>	5	44553	Peltier
<input type="checkbox"/>	6	45678	Levy
<input type="checkbox"/>	7	54321	Williams
<input type="checkbox"/>	8	55739	Sanchez
<input type="checkbox"/>	9	70557	Snow
<input type="checkbox"/>	10	76543	Brown
<input type="checkbox"/>	11	76653	Aoi
<input type="checkbox"/>	12	98765	Bourikas
<input type="checkbox"/>	13	98988	Tanaka

3. Update Sid field from student table. (Increase all student id by 1).

Ans. UPDATE student set S_ID=S_ID+1;

		* S_ID	S_NAME	D_NAME	TOT_CRE
		Filter	Filter	Filter	Filter
	1	12346	Shankar	Comp. Sci.	32
	2	129	Zhang	Comp. Sci.	102
	3	19992	Brandt	History	80
	4	23122	Chavez	Finance	110
	5	44554	Peltier	Physics	56
	6	45679	Levy	Physics	46
	7	54322	Williams	Comp. Sci.	54
	8	55740	Sanchez	Music	38
	9	70558	Snow	Physics	0
	10	76544	Brown	Comp. Sci.	58
	11	76654	Aoi	Elec. Eng.	60
	12	98766	Bourikas	Elec. Eng.	98
	13	98989	Tanaka	Biology	120

4. Update credits in course table to previous credit + 1.

Ans. UPDATE course set cred=cred+1;

		* c_id	title	d_name	cred
		Filter	Filter	Filter	Filter
	1	BIO-101	Intro. to Biology	Biology	5
	2	BIO-301	Genetics	Biology	5
	3	BIO-399	Computational Biology	Biology	4
	4	CS-101	Intro. to Computer Scienc	Comp. Sci.	5
	5	CS-190	Game Design	Comp. Sci.	5
	6	CS-315	Robotics	Comp. Sci.	4
	7	CS-319	Image Processing	Comp. Sci.	4
	8	CS-347	Database System Concep	Comp. Sci.	4
	9	EE-181	Intro. to Digital Systems	Elec. Eng.	4
	10	FIN-201	Investment Banking	Finance	4
	11	HIS-351	World History	History	4
	12	MU-199	Music Video Production	Music	4
	13	PHY-101	Physical Principles	Physics	5

5. Create a dummy table temp, insert minimum 1 rows and Delete all rows from it.

Ans. CREATE table temp (roll_no int, full_name varchar(20), age numeric(2), PRIMARY KEY (roll_no));

INSERT INTO temp values('01','Deepansh Lodhi','21'),('02','Abhyam','21');

<input type="checkbox"/>	<input type="text"/>	* roll_no	full_name	age
		Filter	Filter	Filter
<input type="checkbox"/>	1	1	Deepansh Lodhi	21
<input type="checkbox"/>	2	2	Abhyam	21

DELETE FROM temp;

<input checked="" type="checkbox"/>	<input type="text"/>	* roll_no	full_name	age
		Filter	Filter	Filter

6. Delete rows from course table where c_id is BIO-101..

Ans. DELETE FROM course WHERE c_id='BIO-101';

<input type="checkbox"/>	<input type="text"/>	* c_id	title	d_name	cred
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	1	BIO-301	Genetics	Biology	4
<input type="checkbox"/>	2	BIO-399	Computational Biology	Biology	3
<input type="checkbox"/>	3	CS-101	Intro. to Computer Scienc	Comp. Sci.	4
<input type="checkbox"/>	4	CS-190	Game Design	Comp. Sci.	4
<input type="checkbox"/>	5	CS-315	Robotics	Comp. Sci.	3
<input type="checkbox"/>	6	CS-319	Image Processing	Comp. Sci.	3
<input type="checkbox"/>	7	CS-347	Database System Concep	Comp. Sci.	3
<input type="checkbox"/>	8	EE-181	Intro. to Digital Systems	Elec. Eng.	3
<input type="checkbox"/>	9	FIN-201	Investment Banking	Finance	3
<input type="checkbox"/>	10	HIS-351	World History	History	3
<input type="checkbox"/>	11	MU-199	Music Video Production	Music	3
<input type="checkbox"/>	12	PHY-101	Physical Principles	Physics	4

NOTE: I have created original course table each time for que 6 to 10.


7.Delete rows from course table where d_name is Biology and c_id is BIO-301.

Ans. DELETE FROM course WHERE d_name='Biology' AND c_id='BIO-301'

<input type="checkbox"/>	<input type="text" value="Q"/>	* c_id	title	d_name	cred
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	1	BIO-101	Intro. to Biology	Biology	4
<input type="checkbox"/>	2	BIO-399	Computational Biology	Biology	3
<input type="checkbox"/>	3	CS-101	Intro. to Computer Scienc	Comp. Sci.	4
<input type="checkbox"/>	4	CS-190	Game Design	Comp. Sci.	4
<input type="checkbox"/>	5	CS-315	Robotics	Comp. Sci.	3
<input type="checkbox"/>	6	CS-319	Image Processing	Comp. Sci.	3
<input type="checkbox"/>	7	CS-347	Database System Concep	Comp. Sci.	3
<input type="checkbox"/>	8	EE-181	Intro. to Digital Systems	Elec. Eng.	3
<input type="checkbox"/>	9	FIN-201	Investment Banking	Finance	3
<input type="checkbox"/>	10	HIS-351	World History	History	3
<input type="checkbox"/>	11	MU-199	Music Video Production	Music	3
<input type="checkbox"/>	12	PHY-101	Physical Principles	Physics	4


8.Delete rows from course table where d_name is Biology AND c_id is BIO-301 AND credits is 4.

Ans. DELETE FROM course WHERE d_name='Biology' AND c_id='BIO-301' AND cred='4';

		* c_id	title	d_name	cred
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	1	BIO-101	Intro. to Biology	Biology	4
<input type="checkbox"/>	2	BIO-399	Computational Biology	Biology	3
<input type="checkbox"/>	3	CS-101	Intro. to Computer Scienc	Comp. Sci.	4
<input type="checkbox"/>	4	CS-190	Game Design	Comp. Sci.	4
<input type="checkbox"/>	5	CS-315	Robotics	Comp. Sci.	3
<input type="checkbox"/>	6	CS-319	Image Processing	Comp. Sci.	3
<input type="checkbox"/>	7	CS-347	Database System Concep	Comp. Sci.	3
<input type="checkbox"/>	8	EE-181	Intro. to Digital Systems	Elec. Eng.	3
<input type="checkbox"/>	9	FIN-201	Investment Banking	Finance	3
<input type="checkbox"/>	10	HIS-351	World History	History	3
<input type="checkbox"/>	11	MU-199	Music Video Production	Music	3
<input type="checkbox"/>	12	PHY-101	Physical Principles	Physics	4

9.Delete rows from course table where c_id is BIO-301 OR d_name is Biology.

Ans.. DELETE FROM course WHERE d_name='Biology' OR c_id='BIO-301';

		* c_id	title	d_name	cred
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	1	CS-101	Intro. to Computer Scienc	Comp. Sci.	4
<input type="checkbox"/>	2	CS-190	Game Design	Comp. Sci.	4
<input type="checkbox"/>	3	CS-315	Robotics	Comp. Sci.	3
<input type="checkbox"/>	4	CS-319	Image Processing	Comp. Sci.	3
<input type="checkbox"/>	5	CS-347	Database System Concep	Comp. Sci.	3
<input type="checkbox"/>	6	EE-181	Intro. to Digital Systems	Elec. Eng.	3
<input type="checkbox"/>	7	FIN-201	Investment Banking	Finance	3
<input type="checkbox"/>	8	HIS-351	World History	History	3
<input type="checkbox"/>	9	MU-199	Music Video Production	Music	3
<input type="checkbox"/>	10	PHY-101	Physical Principles	Physics	4

10. Delete rows from course table whered_name is Biology and c_id is BIO-301 or credits is 4.

Ans.. DELETE FROM course WHERE d_name='Biology' OR c_id='BIO-301' or cred='4';

<input type="checkbox"/>	<input type="text" value="Q"/>	* c_id <input type="text"/>	title <input type="text"/>	d_name <input type="text"/>	cred <input type="text"/>
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	1	CS-315	Robotics	Comp. Sci.	3
<input type="checkbox"/>	2	CS-319	Image Processing	Comp. Sci.	3
<input type="checkbox"/>	3	CS-347	Database System Concep	Comp. Sci.	3
<input type="checkbox"/>	4	EE-181	Intro. to Digital Systems	Elec. Eng.	3
<input type="checkbox"/>	5	FIN-201	Investment Banking	Finance	3
<input type="checkbox"/>	6	HIS-351	World History	History	3
<input type="checkbox"/>	7	MU-199	Music Video Production	Music	3

