

Chandigarh College of Engineering & Technology (Degree Wing)



Department of Computer Science and Engineering Database Systems (Practical)

CS 352

Practical - 6

DOP: - 09/08/2024

DOS:-23/08/2024

Submitted By:

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Submitted To:

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CSE Department

STEP 1:- Starting XAMPP.

- Open the “XAMPP” Control Panel and start the Apache and MySQL services, by clicking on start and then admin.
- The “phpMyAdmin” will open in your default web browser, then go to your database.

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	7724 8028	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	7456	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

11:22:10 PM [main] Initializing Modules
 11:22:10 PM [main] Starting Check-Timer
 11:22:10 PM [main] Control Panel Ready
 11:22:11 PM [Apache] Attempting to start Apache app...
 11:22:12 PM [Apache] Status change detected: running
 11:22:15 PM [mysql] Attempting to start MySQL app...
 11:22:16 PM [mysql] Status change detected: running

Recent Favorites

- New
- information_schema
- mysql
- performance_schema
- phpmyadmin
- staff_data_ccet
 - New
 - non_teaching_staff
 - personal_detail_teaching
 - teaching official data

STRUCTURE SQL SEARCH

Filters

Containing the word:

Table	Action
<input type="checkbox"/> non_teaching_staff	★ Browse
<input type="checkbox"/> personal_detail_teaching	★ Browse
<input type="checkbox"/> teaching official data	★ Browse

3 tables Sum

STEP 2:- Running Queries

SQL Query 1:- **SELECT * FROM** non_teaching_staff **WHERE** 'DESIGNATION-ID' > 15;

- This query will show the data of all tuples that have “**DESIGNATION-ID**” greater than 15.

NAME	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Mr. Amit Kumar	M	amitkumar@ccet.ac.um	16	5
Mr. Birinder Singh	M	birindersingh@ccet.ac.in	16	3
Mr. Gurpreet Singh	M	gurpreetsingh@ccet.ac.in	16	4
Mr. Harmeet Singh	M	harmeetsingh@ccet.ac.in	16	1
Mr. Maninder Singh	M	manindersingh@ccet.ac.in	16	4
Mr. Preet Karan Singh	M	preetkaransingh@ccet.ac.in	16	3
Mr. Rajesh Kumar	M	rajeshkumar@ccet.ac.um	16	3
Mr. Surinder Sharma	M	surindersharma@ccet.ac.ha	16	3
Mrs. Vandana Sharma	M	vandanasharma@ccet.ac.ha	16	2
Mr. Malkeet Singh	M	malkeetsingh@ccet.ac.in	17	24
Mr. Manoj Kumar	M	manojkumar@ccet.ac.um	17	24
Mr. Karamjit Kaur	F	karamjitkaur@ccet.ac.au	18	15
Mr. Amarjeet Yadav	M	amarjeetyadav@ccet.ac.ad	19	19
Mr. Puneet	M	puneet@ccet.ac.un	20	19
Mr. Vinay Gandhi	M	vinaygandhi@ccet.ac.an	21	16
Mr. Davinder Kumar	M	davinderkumar@ccet.ac.um	21	17
Ms. Neha Rani	F	neharani@ccet.ac.an	21	16
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	22	6
Mr. Gurjinder Singh	M	gurjindersingh@ccet.ac.in	23	19
Monika Thakral	F	thakral@ccet.ac.ha	24	6
Mr. Anil Kumar	F	anilkumar@ccet.ac.um	24	6
Mrs Lalita Sharma	F	lalitasharma@ccet.ac.ha	25	6

SQL Query 2:- `SELECT * FROM non_teaching_staff WHERE NAME LIKE '%Singh%';`

- This query will show the data of all tuples that have “**Singh**” in their name.

NAME	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Mr. Jaspal Singh	M	jaspalsingh@ccet.ac.in	6	6
Mr. Birinder Singh	M	birindersingh@ccet.ac.in	16	3
Mr. Gurpreet Singh	M	gurpreetsingh@ccet.ac.in	16	4
Mr. Harmeet Singh	M	harmeetsingh@ccet.ac.in	16	1
Mr. Maninder Singh	M	manindersingh@ccet.ac.in	16	4
Mr. Preet Karan Singh	M	preetkaransingh@ccet.ac.in	16	3
Mr. Malkeet Singh	M	malkeetsingh@ccet.ac.in	17	24
Mr. Gurjinder Singh	M	gurjindersingh@ccet.ac.in	23	19

SQL Query 3:- `SELECT * FROM non_teaching_staff WHERE `DESIGNATION-ID` > (SELECT AVG(`DESIGNATION-ID`) FROM non_teaching_staff);`

- This query will show data of all tuples whose “**DESIGNATION-ID**” is greater than average.

NAME	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Mr. Malkeet Singh	M	malkeetsingh@ccet.ac.in	17	24
Mr. Manoj Kumar	M	manojkumar@ccet.ac.um	17	24
Mr. Karamjit Kaur	F	karamjitkaur@ccet.ac.au	18	15
Mr. Amarjeet Yadav	M	amarjeetyadav@ccet.ac.ad	19	19
Mr. Puneet	M	puneet@ccet.ac.un	20	19
Mr. Vinay Gandhi	M	vinaygandhi@ccet.ac.an	21	16
Mr. Davinder Kumar	M	davinderkumar@ccet.ac.um	21	17
Ms. Neha Rani	F	neharani@ccet.ac.an	21	16
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	22	6
Mr. Gurjinder Singh	M	gurjindersingh@ccet.ac.in	23	19
Monika Thakral	F	thakral@ccet.ac.ha	24	6
Mr. Anil Kumar	F	anilkumar@ccet.ac.um	24	6
Mrs Lalita Sharma	F	lalitasharma@ccet.ac.ha	25	6

SQL Query 4:- **SELECT * FROM** non_teaching_staff **WHERE** GENDER = 'M';

- This query will show the data of all tuples that have gender as “M” which is male.

NAME	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	5	6
Mr. Jaspal Singh	M	jaspalsingh@ccet.ac.in	6	6
Mr. Mange Ram	M	mangeram@ccet.ac.am	7	16
Mr. Ashish Kumar Kaundal	M	ashishkumarkaundal@ccet.ac.au	10	18
Mr. Manish Kumar	M	manishkumar@ccet.ac.um	10	18
Mr. Sanjive	M	sanjive@ccet.ac.an	14	6
Mr. Yuvraj	M	yuvraj@ccet.ac.uv	15	2
Mr. Amit Kumar	M	amitkumar@ccet.ac.um	16	5
Mr. Birinder Singh	M	birindersingh@ccet.ac.in	16	3
Mr. Gurpreet Singh	M	gurpreetsingh@ccet.ac.in	16	4
Mr. Harmeet Singh	M	harmeetsingh@ccet.ac.in	16	1
Mr. Maninder Singh	M	manindersingh@ccet.ac.in	16	4
Mr. Preet Karan Singh	M	preetkaransingh@ccet.ac.in	16	3
Mr. Rajesh Kumar	M	rajeshkumar@ccet.ac.um	16	3
Mr. Surinder Sharma	M	surindersharma@ccet.ac.ha	16	3
Mrs. Vandana Sharma	M	vandanasharma@ccet.ac.ha	16	2
Mr. Malkeet Singh	M	malkeetsingh@ccet.ac.in	17	24
Mr. Manoj Kumar	M	manojkumar@ccet.ac.um	17	24
Mr. Amarjeet Yadav	M	amarjeetyadav@ccet.ac.ad	19	19
Mr. Puneet	M	puneet@ccet.ac.un	20	19
Mr. Vinay Gandhi	M	vinaygandhi@ccet.ac.an	21	16
Mr. Davinder Kumar	M	davinderkumar@ccet.ac.um	21	17
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	22	6
Mr. Gurjinder Singh	M	gurjindersingh@ccet.ac.in	23	19

SQL Query 5:- `SELECT * FROM non_teaching_staff WHERE EMAIL_ID LIKE '%@ccet.ac.in';`

- This query will show the data of all tuples that have “@ccet.ac.in” in their EMAIL_ID.

NAME	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	5	6
Mr. Jaspal Singh	M	jaspalsingh@ccet.ac.in	6	6
Mr. Birinder Singh	M	birindersingh@ccet.ac.in	16	3
Mr. Gurpreet Singh	M	gurpreetsingh@ccet.ac.in	16	4
Mr. Harmeet Singh	M	harmeetsingh@ccet.ac.in	16	1
Mr. Maninder Singh	M	manindersingh@ccet.ac.in	16	4
Mr. Preet Karan Singh	M	preetkaransingh@ccet.ac.in	16	3
Mr. Malkeet Singh	M	malkeetsingh@ccet.ac.in	17	24
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	22	6
Mr. Gurjinder Singh	M	gurjindersingh@ccet.ac.in	23	19

SQL Query 6:- `SELECT * FROM non_teaching_staff ORDER BY NAME DESC LIMIT 15;`

- This query will arrange “NAME” in descending order and will show only 15 tuples.

NAME ▼ 1	GENDER	EMAIL_ID	DESIGNATION-ID	DEPARTMENT-ID
Ms. Neha Rani	F	neharani@ccet.ac.an	21	16
Mrs. Vandana Sharma	M	vandanasharma@ccet.ac.ha	16	2
Mrs. Shalini Wasom	F	shaliniwasom@ccet.ac.as	11	15
Mrs. Romica	F	romica@ccet.ac.om	15	2
Mrs. Mokesh Kumari	F	mokeshkumari@ccet.ac.um	15	2
Mrs. Garima	F	garima@ccet.ac.ar	13	16
Mrs Lalita Sharma	F	lalitasharma@ccet.ac.ha	25	6
Mr. Yuvraj	M	yuvraj@ccet.ac.uv	15	2
Mr. Vinay Gandhi	M	vinaygandhi@ccet.ac.an	21	16
Mr. Surinder Sharma	M	surindersharma@ccet.ac.ha	16	3
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	22	6
Mr. Sunil Dutt Sharma	M	sunildutt@ccet.ac.in	5	6

SQL Query 7:- `SELECT * FROM personal_detail_teaching WHERE personal_detail_teaching.age > 45;`

- This query will show data of tuples which has “AGE” greater than 45.

NAME	AGE	GENDER	PHONE NUMBER
Rajesh Kumar	51	M	9478548248
Aradhana Mehta	57	F	8054977561
Ram Bahadur Patel	56	M	9416932840
Davinder Singh Saini	46	M	8146730369
Jatinder Madan	52	M	9041291970
Radhey Sham	46	M	9888040982

SQL QUERY 8:- `SELECT * FROM personal_detail_teaching WHERE NAME LIKE 'A%';`

- This query will show data of tuples, where “NAME” starts with capital ‘A’.

NAME	AGE	GENDER	PHONE NUMBER
Aradhana Mehta	57	F	8054977561
Anil Kumar	42	M	9816290720
Arfat Ahmed	39	M	8860736206
Amit Chhabra	41	M	9888623825
Ankit Gupta	41	M	9412314479
Animesh Singh	38	M	9584035345
Anil Kumar	43	M	9416234853
Anil Kumar Vaghmare	44	M	6284561607
Ashwani Kumar	40	M	9872823250

SQL Query 9:- `SELECT * FROM personal_detail_teaching WHERE AGE BETWEEN 30 AND 40;`

- This query will show data of tuples, where “AGE” is between 30 and 40.

NAME	AGE	GENDER	PHONE NUMBER
Manveen Kaur	35	F	9988957007
Neha	35	F	9646614209
Mohammad Sakib Perwez Khan	37	M	7839452836
Poonam	40	F	8968399719
Arfat Ahmed	39	M	8860736206
Sudhakar Kumar	34	M	8434518635
Animesh Singh	38	M	9584035345
Dr Parvinder Kaur	40	F	8295688911
Dinesh Sharma	39	M	9671721850
Hardeep Saini	36	M	9914611106
Mukesh Kumar	40	M	9478420561
Vinod Chauhan	40	M	9466736896
Ashwani Kumar	40	M	9872823250
Rajiv Kumar	37	M	9877887402
Nipun Sharma	39	M	9877726260

SQL Query 10:- `SELECT * FROM personal_detail_teaching WHERE NAME LIKE '%Kumar%';`

- This query will show data of tuples whose surname is “Kumar”.

NAME	AGE	GENDER	PHONE NUMBER
Rajesh Kumar	51	M	9478548248
Anil Kumar	42	M	9816290720
Sunil Kumar Singh	42	M	9818182457
Sudhakar Kumar	34	M	8434518635
Anil Kumar	43	M	9416234853
Anil Kumar Vaghmare	44	M	6284561607
Mukesh Kumar	40	M	9478420561
Ashwani Kumar	40	M	9872823250
Rajiv Kumar	37	M	9877887402

SQL Query 11:- `SELECT * FROM personal_detail_teaching WHERE age < 40 ORDER BY age ASC;`

- This query shows tuples where age is less than 40 and arranges them in ascending order.

NAME	AGE	GENDER	PHONE NUMBER
Sudhakar Kumar	34	M	8434518635
Manveen Kaur	35	F	9988957007
Neha	35	F	9646614209
Hardeep Saini	36	M	9914611106
Mohammad Sakib Perwez Khan	37	M	7839452836
Rajiv Kumar	37	M	9877887402
Animesh Singh	38	M	9584035345
Dinesh Sharma	39	M	9671721850
Arfat Ahmed	39	M	8860736206
Nipun Sharma	39	M	9877726260

SQL Query 12:- `SELECT * FROM teaching_official_data WHERE QUALIFICATION = 'Ph.D' AND NAME LIKE 'A%';`

- This query shows tuples with “QUALIFICATION” as ‘Ph.D’ and “NAME” starting from ‘A’.

NAME	QUALIFICATION	DESIGNATION	DEPARTMENT	DESIGNATION_ID	DEPARTMENT_ID	E-MAIL	ROOM NO.	JOINING DATE	EXPERIENCE (MONTHS)	ASSOCIATION TYPE
Amit Chhabra	Ph.D	Assistant Professor	Computer Science Engg.	4	1	amitchhabra@ccet.ac.in	421, Block-A	2016-11-07	238	Regular
Anil Kumar Rose	Ph.D	Professor	Electronics and Communications Engg.	3	2	anilrose@ccet.ac.in	314, Block-A	2016-06-15	222	Regular
Anil Kumar Vaghmare	Ph.D	Assistant Professor	Electronics and Communications Engg.	4	2	anilvaghmare@ccet.ac.in	303, Block-A	2018-05-09	249	Regular
Ankit Gupta	Ph.D	Assistant Professor	Computer Science Engg.	4	1	ankit@ccet.ac.in	423, Block-A	2016-03-04	168	Regular
Aradhana Mehta	Ph.D	Associate Professor	Civil Engg.	4	4	amehta@ccet.ac.in	Block B	2017-10-10	360	Regular
Ashwani Kumar	Ph.D	Assistant Professor	Mechanical Engg.	4	3	ashwanikumar@ccet.ac.in	301, Block-B	2016-01-01	216	Regular

SQL Query 13:- `SELECT NAME, QUALIFICATION, `ROOM NO.` FROM teaching_official_data WHERE DEPARTMENT = 'Computer Science Engg.';`

- This query will display “NAME”, “QUALIFICATION” and “ROOM NO.” of tuples, where “DEPARTMENT” is “Computer Science Engg.”

NAME	QUALIFICATION	ROOM NO.
Amit Chhabra	Ph.D	421, Block-A
Animesh Singh	M.Tech	422, Block-A
Ankit Gupta	Ph.D	423, Block-A
Dheerendra Singh	Ph.D	414, Block-A
Gulshan Goyal	Ph.D	425, Block-A
Ram Bahadur Patel	Ph.D	413, Block-A
Sarabjeet Singh	Ph.D	426, Block-A
Sudhakar Kumar	M.Tech	416, Block-A
Sunil Kumar Singh	Ph.D	415, Block-A
Sunita	Ph.D	424, Block-A

SQL Query 14:- `SELECT NAME, DESIGNATION, `E-MAIL` FROM teaching_official_data WHERE `EXPERIENCE (MONTHS)` > 250;`

- This query will display “NAME”, “DESIGNATION” and “E-MAIL” of tuples, who’s “EXPERIENCE (MONTHS)” is “Computer Science Engg.”

NAME	DESIGNATION	E-MAIL
Aradhana Mehta	Associate Professor	amehta@ccet.ac.in
Bhasker Gupta	Professor	bgupta@ccet.ac.in
Davinder Singh Saini	Professor / HOD	dssaini@ccet.ac.in
Jatinder Madan	Professor / HOD	jatindermadan@ccet.ac.in
Rajesh Kumar	Professor / HOD	rajshaastha@ccet.ac.in
Ram Bahadur Patel	Professor	rbpatel@ccet.ac.in
Sarabjeet Singh	Assistant Professor	ssingh@ccet.ac.in

SQL Query 15:- `SELECT NAME, QUALIFICATION, 'JOINING``DATE` FROM teaching_official_data WHERE `JOINING DATE` BETWEEN '2016-01-01' AND '2016-12-31';`

- This query displays “NAME”, “QUALIFICATION” and “JOINING DATE” of tuples, where “JOINING DATE” is between ‘2016-01-01’ and ‘2016-12-31’

NAME	QUALIFICATION	JOINING DATE
Amit Chhabra	Ph.D	2016-11-07
Anil Kumar	M.Tech	2016-06-10
Anil Kumar Rose	Ph.D	2016-06-15
Ankit Gupta	Ph.D	2016-03-04
Ashwani Kumar	Ph.D	2016-01-01
Dheerendra Singh	Ph.D	2016-01-01
Gulshan Goyal	Ph.D	2016-03-04
Karuna Sharma	M.E.	2016-12-02
Mohammad Sakib Perwez Khan	M.Tech	2016-01-16
Mukesh Kumar	Ph.D	2016-02-08
Poonam	M.Tech	2016-06-10
Radhey Sham	Ph.D	2016-01-01
Sarabjeet Singh	Ph.D	2016-03-04
Sudhakar Kumar	M.Tech	2016-03-18
Sunita	Ph.D	2016-03-04
Vettivel S C	Ph.D	2016-03-30
Vinod Chauhan	M.E.	2016-01-01

SQL Query 16:- `SELECT NAME, DEPARTMENT, 'ROOM``NO.` FROM teaching_official_data WHERE DESIGNATION = 'Professor';`

- This query displays ‘NAME’, ‘DEPARTMENT’ and ‘ROOM NO.’, where ‘DESIGNATION’ is ‘Professor’

NAME	DEPARTMENT	ROOM NO.
Anil Kumar Rose	Electronics and Communications Engg.	314, Block-A
Bhasker Gupta	Electronics and Communications Engg.	Block-A
Dheerendra Singh	Computer Science Engg.	414, Block-A
Krishan Gopal Sharma	Electronics and Communications Engg.	Block-A
Ram Bahadur Patel	Computer Science Engg.	413, Block-A