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Campus: Chennai

Course: Modern Application Development (Java spring boot)

Question 1:

To create a form using HTML, CSS and Javascript

Solution:

The file is attached, the output is shown below

The screenshot shows a web browser window with a single tab titled 'DA1_sweta.html'. The address bar shows the file path 'C:/Users/Sweta/OneDrive/Desktop/Java%20spring%20boot/Assignments/DA1_sweta.html'. The webpage has a light green background with a subtle pattern. At the top, there is a header bar with the text 'Chennai Metro Station'. Below the header, there is a list of instructions: 'Enter your Name.', 'Enter your License plate number.', 'Enter your Phone Number.', and 'Enter your Vehicle Type.'. Below the instructions, there is a link 'Project Metro'. Under the link, there are four input fields labeled 'First name:', 'Vehicle Number:', 'Phone Number:', and 'Vehicle type:'. Below the input fields, there are two buttons: 'Submit' and 'Reset'. Below the buttons, there is a link 'PARKING RATES OF METRO STATION'. Below the link, there is a table with two columns: 'VEHICLE TYPE' and 'RATE (per hour)'. The table has three rows: '2 WHEELER' with a rate of '100/-', '4 WHEELER' with a rate of '300/-', and 'HEAVY VEHICLES' with a rate of '1000/-'.

VEHICLE TYPE	RATE (per hour)
2 WHEELER	100/-
4 WHEELER	300/-
HEAVY VEHICLES	1000/-

Question 2:

- Create, update, delete commands in MySQL
- create tables and perform joins in MySQL
- create, update, delete commands in mongo dB

Solution:

- using create, update and delete commands in MySQL

```
SELECT * FROM clg.clgdata;
```

```
insert into clg.clgdata values(1,'ECE','Mohana','Sweta');  
insert into clg.clgdata values(2,'CSE','Abinaya','Priyanka');
```

```
update clg.clgdata set hodName = 'Ram' where sno = 1;  
alter table clg.clgdata add campus varchar(10);  
update clg.clgdata set campus = 'chennai' where sno = 1;  
update clg.clgdata set campus = 'vellore' where sno = 2 ;
```

The screenshot shows the MySQL Workbench interface. The 'Query 1' window contains the following SQL commands:

```
1 • SELECT * FROM clg.clgdata;  
2 • insert into clg.clgdata values(1,'ECE','Mohana','Sweta');  
3 • insert into clg.clgdata values(2,'CSE','Abinaya','Priyanka');  
4  
5 • update clg.clgdata set hodName = 'Ram' where sno = 1;  
6 • alter table clg.clgdata add campus varchar(10);  
7 • update clg.clgdata set campus = 'chennai' where sno = 1;  
8 • update clg.clgdata set campus = 'vellore' where sno = 2 ;  
9  
10
```

The 'Result Grid' at the bottom displays the following data:

sno	deptName	hodName	studentName	campus
1	ECE	Ram	Sweta	chennai
2	CSE	Abinaya	Priyanka	vellore
*	NULL	NULL	NULL	NULL

```
delete from clg.clgdata where sno = 1;
```

MySQL Workbench

MySQL Model (MySQL table trial.m.x) Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects

SCHEMAS

- clg
 - clgdata
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Query 1 clgdata x

Limit to 1000 rows

```

1 • SELECT * FROM clg.clgdata;
2 • insert into clg.clgdata values(1,'ECE','Mohana','Sweta');
3 • insert into clg.clgdata values(2,'CSE','Abinaya','Priyanka');
4
5 • update clg.clgdata set hodName ='Ram' where sno = 1;
6 • alter table clg.clgdata add campus varchar(10);
7 • update clg.clgdata set campus = 'chennai' where sno = 1;
8 • update clg.clgdata set campus = 'vellore' where sno = 2 ;
9
10 • delete from clg.clgdata where sno = 1;

```

Result Grid

sno	deptName	hodName	studentName	campus
2	CSE	Abinaya	Priyanka	vellore
•	NULL	NULL	NULL	NULL

- create tables and perform joins in MySQL**

SQLQuery1.sql - W...KING-PC\Emil (51)) * - x

```

SELECT * FROM city;
SELECT * FROM customer;
SELECT * FROM country;

```

100 %

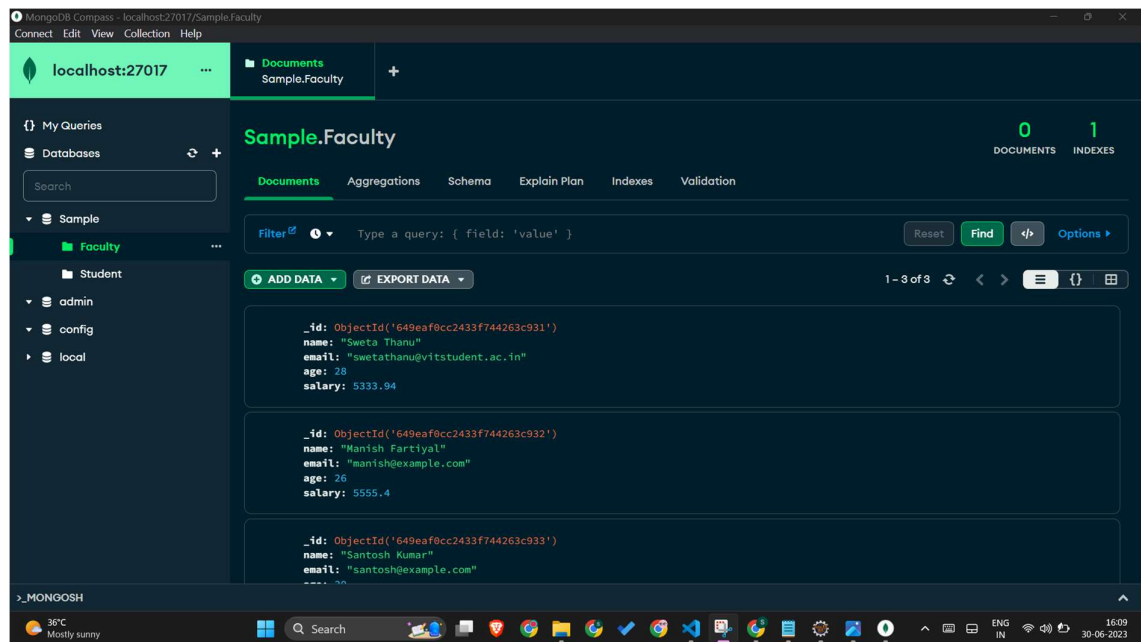
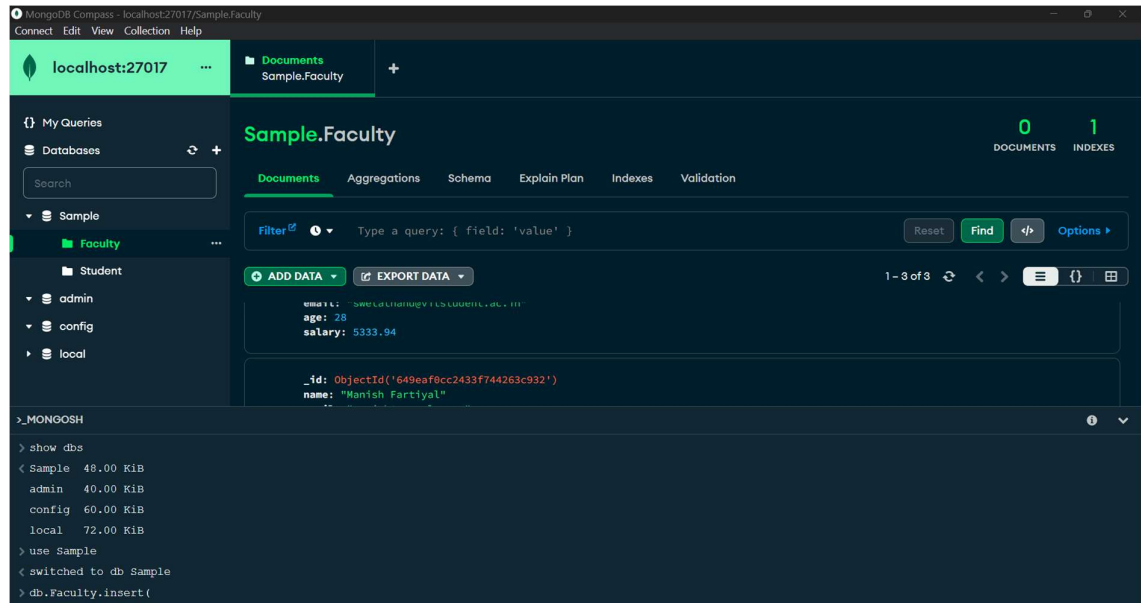
Results Messages

	id	city_name	lat	long	country_id
1	1	Berlin	52.520008	13.404954	1
2	2	Belgrade	44.787197	20.457273	2
3	3	Zagreb	45.815399	15.966568	3
4	4	New York	40.730610	-73.935242	4
5	5	Los Angeles	34.052235	-118.243683	4
6	6	Warsaw	52.237049	21.017532	5

	id	customer_name	city_id	customer_address	next_call_date	ts_inserted
1	1	Jewelry Store	4	Long Street 120	2020-01-21	2020-01-09 14:01:20.000
2	2	Bakery	1	Kurfürstendamm 25	2020-02-21	2020-01-09 17:52:15.000
3	3	Café	1	Taentzienstraße 44	2020-01-21	2020-01-10 08:02:49.000
4	4	Restaurant	3	Ulica lipa 15	2020-01-21	2020-01-10 09:20:21.000

	id	country_name	country_name_eng	country_code
1	1	Deutschland	Germany	DEU
2	2	Srbija	Serbia	SRB
3	3	Hrvatska	Croatia	HRV
4	4	United States of America	United States of America	USA
5	5	Polska	Poland	POL
6	6	España	Spain	ESP
7	7	Rossiya	Russia	RUS

- create, update, delete commands in mongo



CREATE:

```
db.Faculty.insertMany([
```

```
  {
```

```
    {name:"Sandeep Sharma", email:"sandeep@example.com", age:28, salary:5333.94},
```

```
    {name:"Manish Fartiyal", email:"manish@example.com", age:26, salary:5555.4},
```

```
{name:"Santosh Kumar", email:"santosh@example.com", age:30, salary:7000.74},
```

```
{name:"Dhirendra Chauhan", email:"dhirendra@example.com", age:29, salary:4848.44}
```

```
]
```

```
)
```

```
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("649eaf0cc2433f744263c931"),
    '1': ObjectId("649eaf0cc2433f744263c932"),
    '2': ObjectId("649eaf0cc2433f744263c933"),
    '3': ObjectId("649eaf0cc2433f744263c934")
  }
}
```

UPDATE:

```
db.Faculty.updateOne({email:"sandeep@example.com"},{$set:{email:"swetathanu@vitstudent.ac.in"}})
```

```
db.Faculty.updateOne({name:"Sandeep Sharma"},{$set:{name:"Sweta Thanu"}})
```

```
> db.Faculty.updateOne({name:"Sandeep Sharma"},{$set:{name:"Sweta Thanu"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

DELETE:

```
db.Faculty.remove({email:"dhirendra@example.com"})
```

```
> db.Faculty.remove({email:"dhirendra@example.com"})
< {
  acknowledged: true,
  deletedCount: 0
}
```

```
Sample >
```