

PROGRAM 3

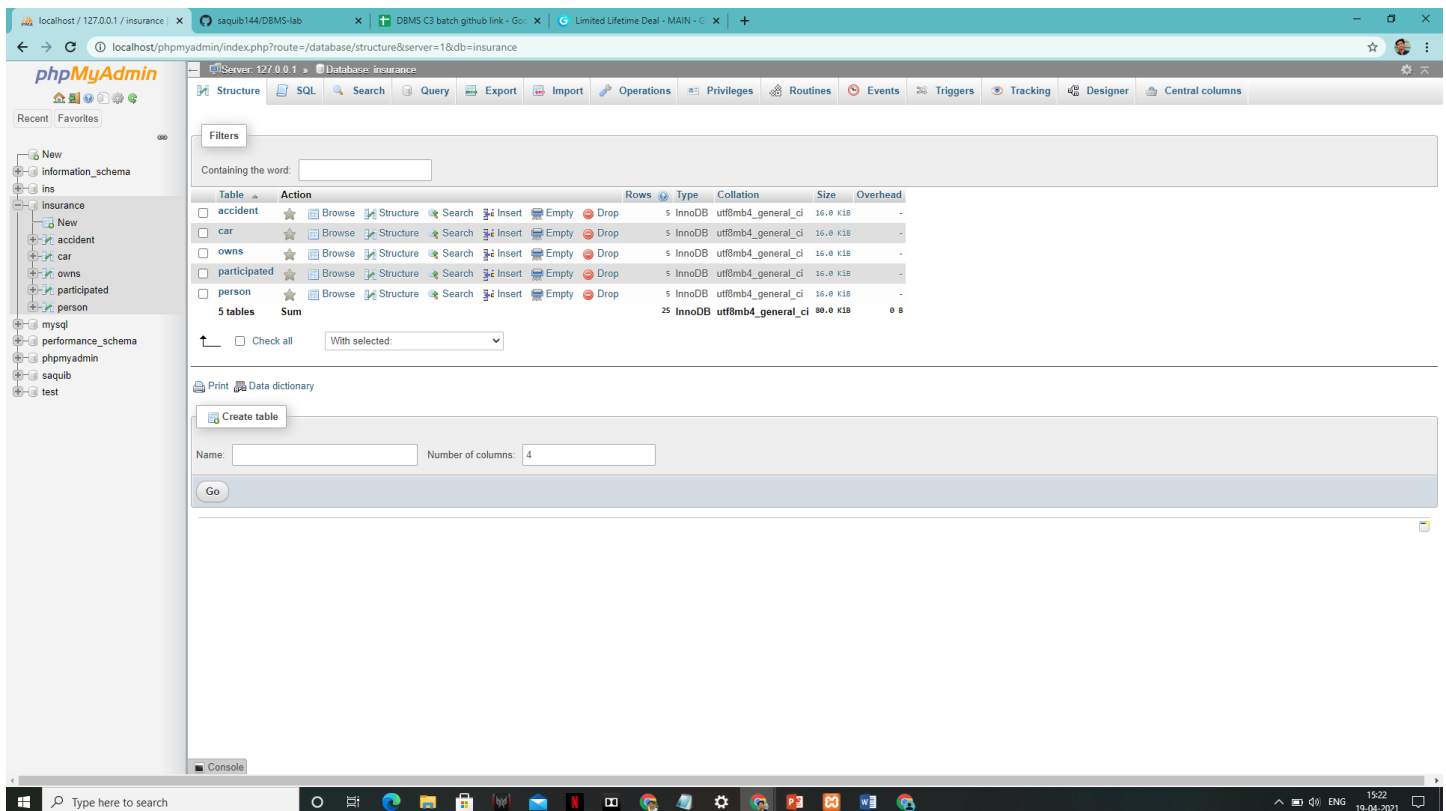
Consider the following schema:

SUPPLIERS (sid: integer, sname: string, address: string)

PARTS (pid: integer, pname: string, color: string)

CATALOG (sid: integer, pid: integer, cost: real)

1) Create the above tables y properly specifying the primary keys and the foreign keys.



2) Enter at least 5 tuples for each relation.

'PERSON' table:

localhost / 127.0.0.1 / insurance x saquib144/DBMS-lab x DBMS C3 batch github link - Go x Limited Lifetime Deal - MAIN - G x +

localhost/phpmyadmin/index.php?route=/sql&server=1&db=insurance&table=person&pos=0

phpMyAdmin

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Showing rows 0 - 4 (5 total, Query took 0.0010 seconds)

SELECT * FROM `person`

Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Driver_id	name	address
<input type="checkbox"/>	Edit	Copy	Delete	A01	AMAN	PUNJAB
<input type="checkbox"/>	Edit	Copy	Delete	A02	RAVI	DELHI
<input type="checkbox"/>	Edit	Copy	Delete	A03	KARAN	MUMBAI
<input type="checkbox"/>	Edit	Copy	Delete	A04	RAJESH	BENGALURU
<input type="checkbox"/>	Edit	Copy	Delete	A05	ROHAN	GUJARAT

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

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Console

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15:25 19-04-2021

‘CAR’ table:

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localhost/phpmyadmin/index.php?route=/sql&server=1&db=insurance&table=car&pos=0

phpMyAdmin

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Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0010 seconds)

SELECT * FROM `car`

Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

regno	model	year
01	suzuki	2005
02	toyota	2009
03	tata	2010
04	ford	2006
05	suzuki	2016

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

Query results operations

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localhost/phpmyadmin/index.php?route=/sql&server=1&db=insurance&table=car&pos=0

Type here to search

15:24 19-04-2021

‘ACCIDENT’ table:

The screenshot shows the phpMyAdmin interface for the 'insurance' database. The 'accident' table is selected, and the 'SQL' tab is active. The table structure is as follows:

report_number	date	location
10	2021-04-02	mumbai
11	2021-03-11	delhi
12	2021-03-26	bengaluru
13	2021-04-03	gujarat
14	2021-03-30	JP nagar

The interface also shows a sidebar with a database tree, a top navigation bar with various tools, and a bottom status bar with system information.

‘OWNS’ table:

localhost / 127.0.0.1 / insurance x saquib144/DBMS-lab x DBMS C3 batch github link - Go x Limited Lifetime Deal - MAIN - x +

localhost/phpmyadmin/index.php?route=/sql&server=1&db=insurance&table=owns&pos=0

phpMyAdmin

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Showing rows 0 - 4 (5 total, Query took 0.0009 seconds)

SELECT * FROM 'owns'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Options

				Driver_id	regno
<input type="checkbox"/>	Edit	Copy	Delete	A01	01
<input type="checkbox"/>	Edit	Copy	Delete	A02	02
<input type="checkbox"/>	Edit	Copy	Delete	A03	03
<input type="checkbox"/>	Edit	Copy	Delete	A04	04
<input type="checkbox"/>	Edit	Copy	Delete	A05	05

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

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'PARTICIPATED' table:

localhost / 127.0.0.1 / insurance x saquib144/DBMS-lab x DBMS C3 batch github link - Go x Limited Lifetime Deal - MAIN - x +

localhost/phpmyadmin/index.php?route=/sql&server=1&db=insurance&table=participated&pos=0

phpMyAdmin

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- test

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0010 seconds)

SELECT * FROM 'participated'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

Options

Driver_id	regno	report_number	damage_amount
A01	01	10	5000
A02	02	11	6000
A03	03	12	10000
A04	04	13	6500
A05	05	14	500

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

Query results operations

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Bookmark this SQL query

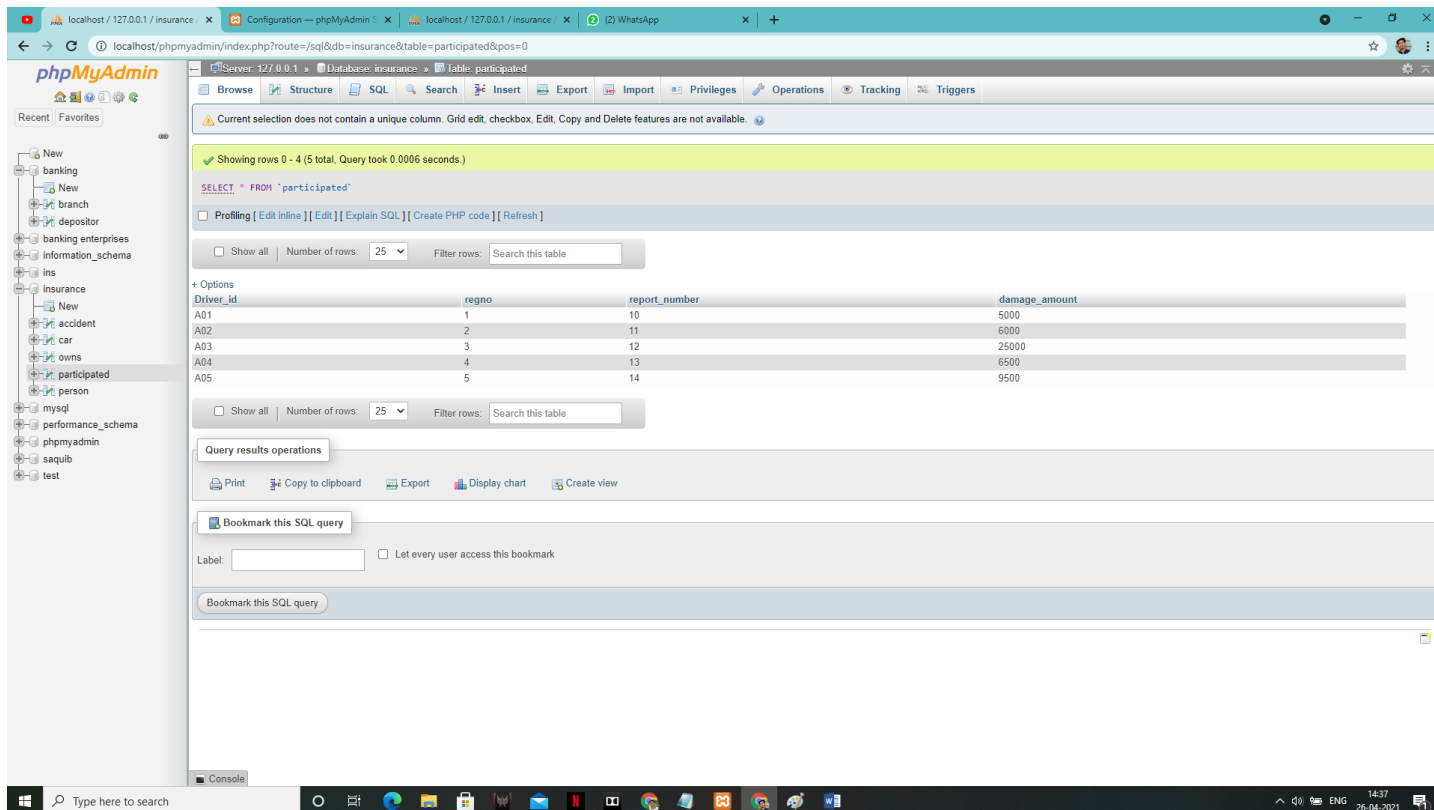
Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console

3) Demonstrate how you

a) Update the damage amount for the car with a specific Regno in the accident with report number 12 to 25000.



The screenshot shows the phpMyAdmin interface for a database named 'insurance'. The 'participated' table is selected, and the SQL query 'SELECT * FROM `participated`' is executed. The results show 5 rows of data. The row with 'regno' 12 has a 'damage_amount' of 25000.

Driver_id	regno	report_number	damage_amount
A01	1	10	5000
A02	2	11	6000
A03	3	12	25000
A04	4	13	6500
A05	5	14	9500

b) Add a new accident to the database.

localhost / 127.0.0.1 / insurance x Configuration - phpMyAdmin x localhost / 127.0.0.1 / insurance x (2) WhatsApp

localhost/phpmyadmin/index.php?route=/table/change&db=insurance&table=accident

Server: 127.0.0.1 Database: insurance Table: accident

1 row inserted.

```
INSERT INTO `accident` (`report_number`, `date`, `location`) VALUES ('19', '2021-04-19', 'jp nagar');
```

[Edit inline] [Edit] [Create PHP code]

Run SQL query/queries on table insurance.accident:

```
1 INSERT INTO `accident` (`report_number`, `date`, `location`) VALUES ('19', '2021-04-19', 'jp nagar');
```

report_number
date
location

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Delimiter: ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Console

localhost / 127.0.0.1 / insurance x Configuration - phpMyAdmin x localhost / 127.0.0.1 / insurance x (2) WhatsApp

localhost/phpmyadmin/index.php?route=/table/change&db=insurance&table=accident

Server: 127.0.0.1 Database: insurance Table: accident

```
INSERT INTO `accident` (`report_number`, `date`, `location`) VALUES ('19', '2021-04-19', 'jp nagar');
```

[Edit inline] [Edit] [Create PHP code]

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (8 total. Query took 0.0008 seconds.)

```
SELECT * FROM `accident`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

report_number	date	location
10	2021-04-02	mumbai
11	2021-03-11	delhi
12	2021-03-26	bengaluru
13	2021-04-03	gujarat
14	2021-03-30	JP nagar
19	2021-04-19	jp nagar

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

Query results operations

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Bookmark this SQL query

Console

4) Find the total number of people who owned cars that were involved in accidents in 2021.

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with the 'insurance' database selected. The main panel shows a SQL query being executed:

```
1 SELECT COUNT(DISTINCT driver_id) CNT FROM participated A, accident B WHERE A.report_number=B.report_number AND B.date LIKE '2021%';
```

The query execution was successful, resulting in a single row of data:

CNT
5

The interface also shows various options and query result operations at the bottom.

5) Find the number of accidents in which cars belonging to a specific model (say 'Suzuki') were involved.

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with the 'insurance' database selected. The main panel shows the 'car' table structure with columns: regno, model, and year. A SQL query is entered in the query box: `SELECT COUNT(report_number) CNT FROM participated A, car B WHERE A.regno=B.regno And model='suzuki';`. The query is executed successfully, as indicated by a green message bar. Below the message, the query results are displayed in a table with two columns: 'CNT' and '2'. The bottom status bar shows the date and time as 14:32 on 26-04-2021.

Server: 127.0.0.1 » Database: insurance » Table: car

1 SELECT COUNT(report_number) CNT FROM participated A, car B WHERE A.regno=B.regno And model='suzuki';

regno
model
year

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Delimiter: ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Hide query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Your SQL query has been executed successfully.

SELECT COUNT(report_number) CNT FROM participated A, car B WHERE A.regno=B.regno And model='suzuki'

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

+ Options

CNT
2

Query results operations

Console Copy to clipboard Export Display chart Create view

Type here to search

14:32 26-04-2021