

**Problem statement:**

Creation of web page and database with user information using AJAX

**STUDENT REGISTRATION FOR TECHNICAL EVENTS**

Create a web portal for student registration for various events in college technical festivals using ajax.

- The registration can be done through an HTML form.
- Each event has a 100/- fee and can be selected using the radio buttons.
- Based on the number of events selected, the total fee amount is generated automatically(using AJAX).
- While pressing ADD, the details should be stored in the database and the details should be visible under the Registration Summary, as the example given, using AJAX.
- The form and summary should be on the same page.
- In Summary, when an entry needs to be edited, the form should be filled automatically, based on which entry needs to be edited. After editing, the changes should be visible on the page(using AJAX) and database.
- A registration can be deleted from the registration summary, and effect should appear in the database.

Form

Name

Roll No.

Course

Events

Blind coding ☐ Overnight Coding ☐ Games ☐  
Online Treasure Hunt ☐ Puzzles ☐

Total Fee

100/- per event

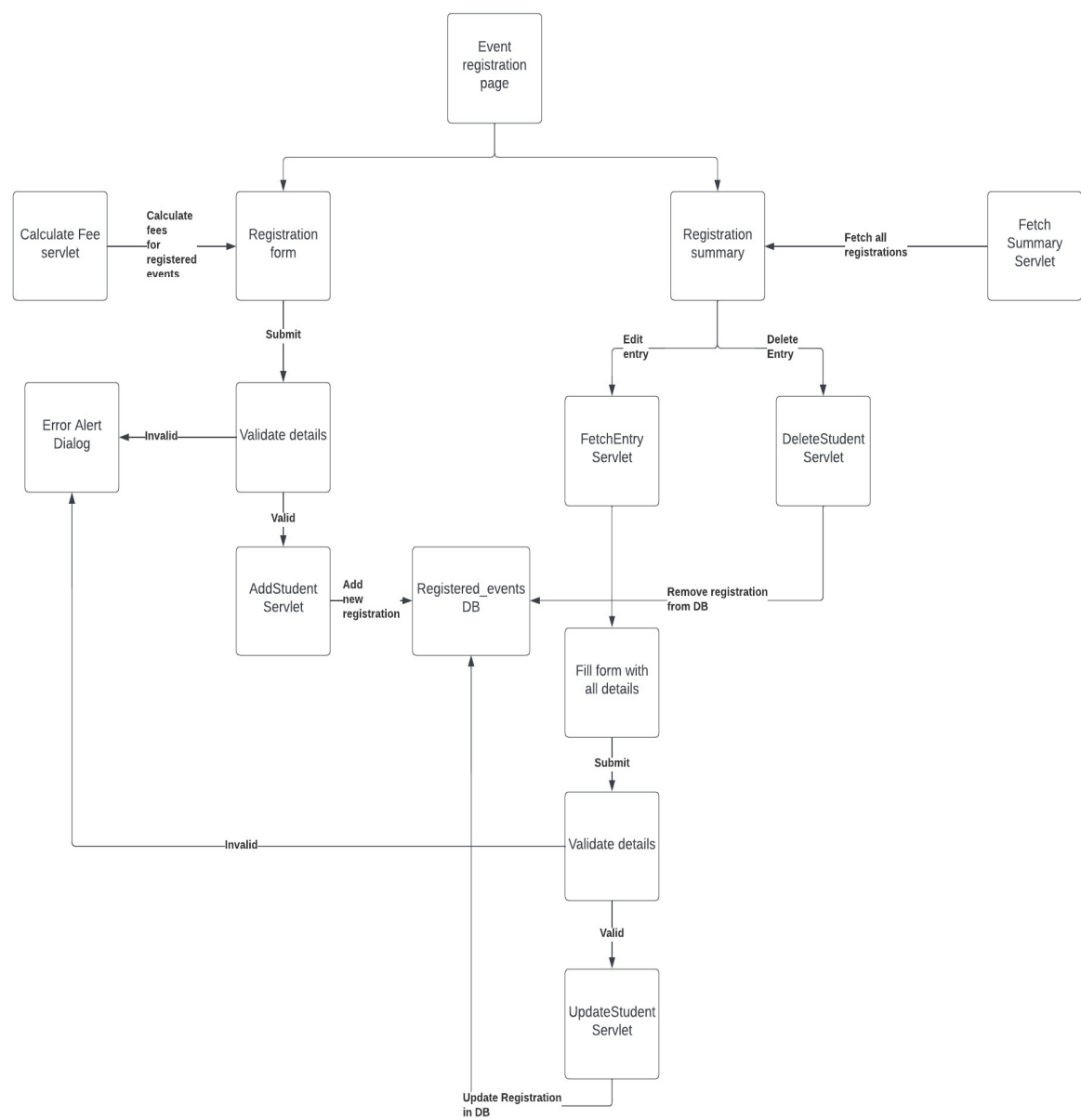
ADD

CLEAR

Registration Summary

Sl.No	Name	Roll No.	Course	Events	Fee	
1	Meeta	101	B Tech	Blind Coding, Games	200	<div>EDITDELETE</div>

**Design: (Block diagram)**



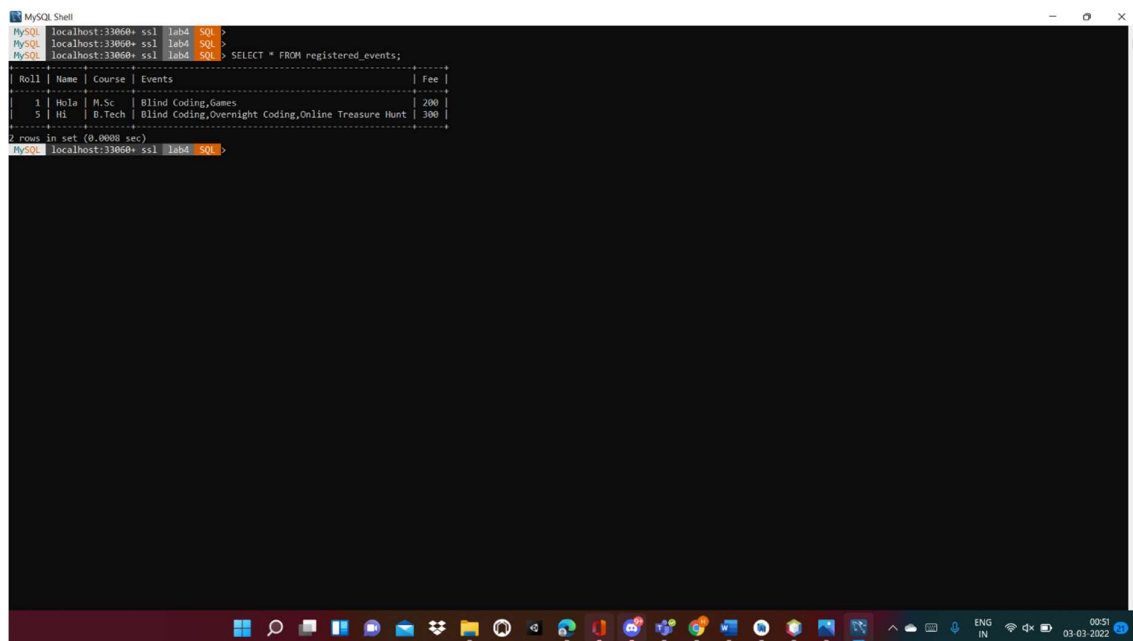
## Tool used:

- Apache Tomcat
- NetBeans IDE
- Java JDK
- MySQL
- AJAX
- JQuery
- JSON
- Java Servlets
- HTML
- CSS
- Javascript

## Code:

[https://drive.google.com/drive/folders/19nMGW8RnuTrMvVxewXMaaAbyc5zJL6RP?usp=s\\_haring](https://drive.google.com/drive/folders/19nMGW8RnuTrMvVxewXMaaAbyc5zJL6RP?usp=s_haring)

## Screenshots of application:



The screenshot shows a MySQL Shell window with a query result. The query executed is `SELECT * FROM registered_events;`. The result is a table with 5 columns: Roll, Name, Course, Events, and Fee. There are 2 rows of data.

Roll	Name	Course	Events	Fee
1	Hola	M.Sc	Blind Coding,Games	200
5	Hi	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300

The status bar at the bottom indicates the query was executed successfully in 0.0000 sec. The Windows taskbar is visible at the bottom of the screen.

New registration:

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=hi&roll=8&course=&fee=

Form

Name:

Roll Number:

Course:

Events:

☐ Blind Coding

☐ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Total Fee:

100/- per event

Add

Clear

Registration Summary

Sl. No.	Name	Roll No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	<div>Edit</div>	<div>Delete</div>
2	Hi	5	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300	<div>Edit</div>	<div>Delete</div>

23:30

02-03-2022

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=hi&roll=8&course=&fee=

Form

Name:

Roll Number:

Course:

Events:

☐ Blind Coding

☐ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Total Fee:

100/- per event

Add

Clear

Registration Summary

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	<div>Edit</div>	<div>Delete</div>
2	Hi	5	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300	<div>Edit</div>	<div>Delete</div>

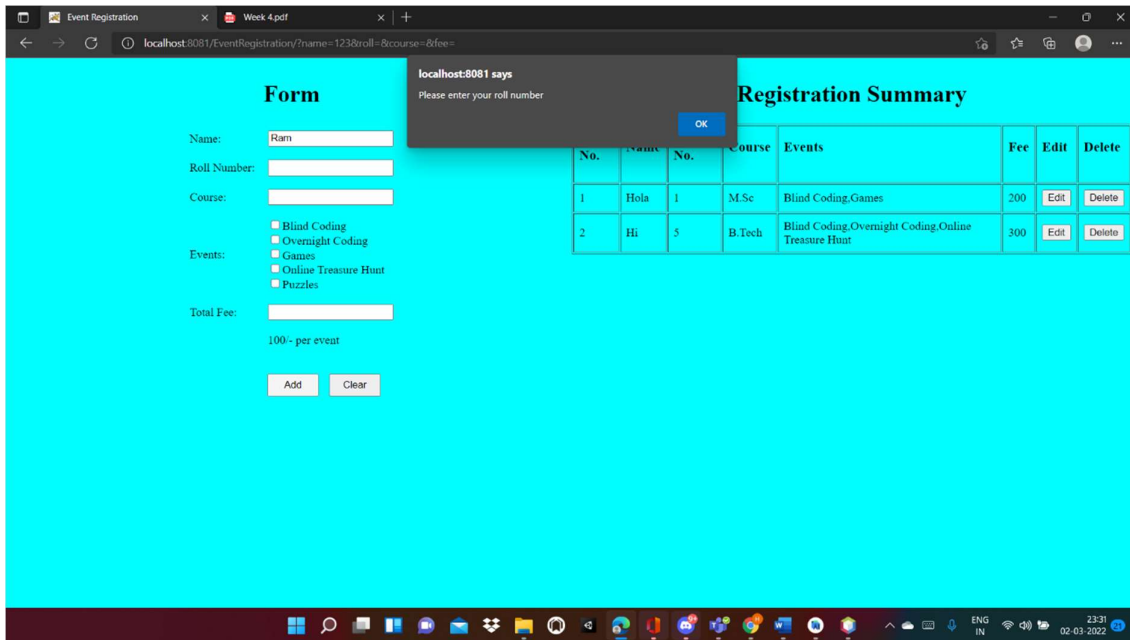
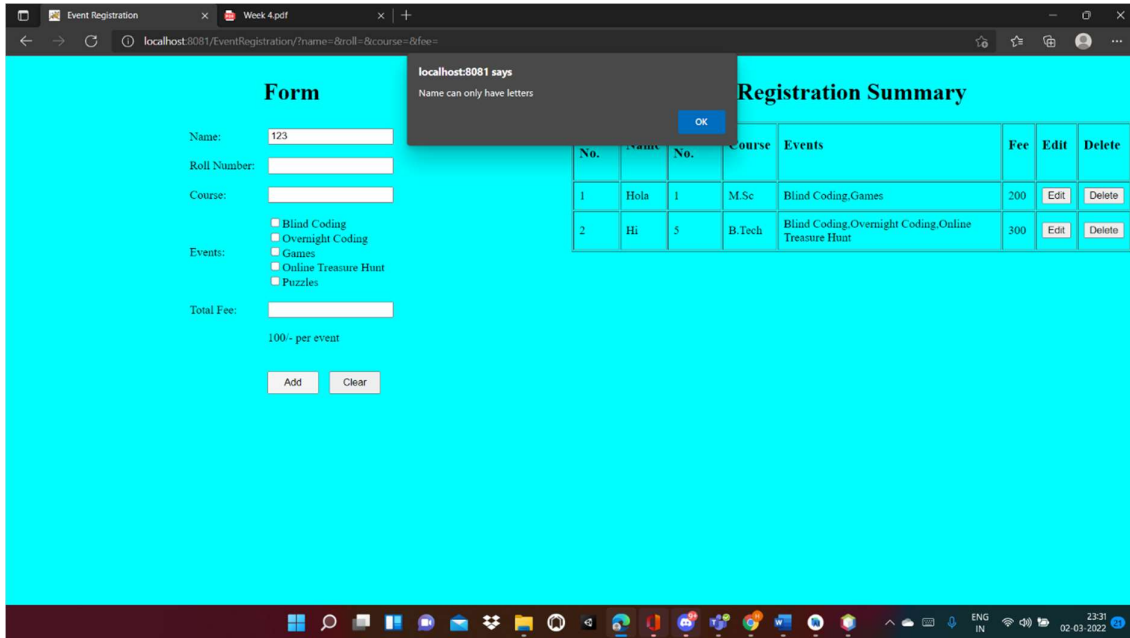
localhost:8081 says

Please enter your name

OK

23:31

02-03-2022



Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=B&roll=8&course=B&fee=

Registration Summary

Form

Name: Ram

Roll Number:

Course: B.Tech

☐ Blind Coding

☒ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☒ Puzzles

Total Fee: 200

100/- per event

AddClear

localhost:8081 says

Please enter your roll number

OK

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding.Games	200	Edit	Delete
2	Hi	5	B.Tech	Blind Coding.Overnight Coding.Online Treasure Hunt	300	Edit	Delete

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=B&roll=8&course=B&fee=

Registration Summary

Form

Name: Ram

Roll Number: 3

Course:

☐ Blind Coding

☒ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Total Fee:

100/- per event

AddClear

localhost:8081 says

Please enter your course

OK

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding.Games	200	Edit	Delete
2	Hi	5	B.Tech	Blind Coding.Overnight Coding.Online Treasure Hunt	300	Edit	Delete

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=Ram&roll=3&course=B.Tech=

Registration Summary

Form

Name: Ram

Roll Number: 3

Course: B.Tech

☐ Blind Coding

☐ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Events:

Total Fee:

100/- per event

AddClear

localhost:8081 says

Please select atleast 1 event

OK

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding.Games	200	Edit	Delete
2	Hi	3	B.Tech	Blind Coding.Overnight Coding.Online Treasure Hunt	300	Edit	Delete

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=Ram&roll=3&course=B.Tech=

Registration Summary

Form

Name: Ram

Roll Number: 3

Course: B.Tech

☐ Blind Coding

☐ Overnight Coding

☒ Games

☒ Online Treasure Hunt

☐ Puzzles

Events:

Total Fee: 200

100/- per event

AddClear

localhost:8081 says

Record added successfully!

OK

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding.Games	200	Edit	Delete
2	Hi	3	B.Tech	Blind Coding.Overnight Coding.Online Treasure Hunt	300	Edit	Delete



Event Registration

localhost:8081/EventRegistration/?name=Ram&roll=3&course=B.Tech&e3=Games&e4=Online+Treasure+Hunt&fee=200

### Form

Name:

Roll Number:

Course:

Events:

- ☐ Blind Coding
- ☐ Overnight Coding
- ☐ Games
- ☐ Online Treasure Hunt
- ☐ Puzzles

Total Fee:

100/- per event

### Registration Summary

Sl. No.	Name	Roll No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
3	Hi	5	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

```

MySQL Shell
MySQL localhost:33060+ ssl lab4 SQL >
MySQL localhost:33060+ ssl lab4 SQL >
MySQL localhost:33060+ ssl lab4 SQL > SELECT * FROM registered_events;
+----+-----+-----+-----+-----+
| Roll | Name | Course | Events | Fee |
+----+-----+-----+-----+-----+
| 1 | Hola | M.Sc | Blind Coding,Games | 200 |
| 3 | Ram | B.Tech | Games,Online Treasure Hunt | 200 |
| 5 | Hi | B.Tech | Blind Coding,Overnight Coding,Online Treasure Hunt | 300 |
+----+-----+-----+-----+-----+
3 rows in set (0.0000 sec)

MySQL localhost:33060+ ssl lab4 SQL >

```

Updating a registration:

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=Ram&roll=3&course=B.Tech&e3=Games&e4=Online+Treasure+Hunt&fee=200

Form

Name:Hi

Roll Number:5

Course:B.Tech

☒ Blind Coding

☒ Overnight Coding

☐ Games

☒ Online Treasure Hunt

☐ Puzzles

Total Fee:300

100/- per event

AddClear

localhost:8081 says

Data loaded successfully for editing but Roll number cannot be edited!

OK

Registration Summary

			Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	Edit	Delete
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	Edit	Delete
3	Hi	5	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300	Edit	Delete

23:39

02-03-2022

Event Registration

Week 4.pdf

localhost:8081/EventRegistration/?name=Ram&roll=3&course=B.Tech&e3=Games&e4=Online+Treasure+Hunt&fee=200

Form

Name:Hello

Roll Number:5

Course:B.Tech

☒ Blind Coding

☐ Overnight Coding

☐ Games

☒ Online Treasure Hunt

☐ Puzzles

Total Fee:200

100/- per event

AddClear

localhost:8081 says

Record added successfully!

OK

Registration Summary

No.	Name	No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	Edit	Delete
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	Edit	Delete
3	Hi	5	B.Tech	Blind Coding,Overnight Coding,Online Treasure Hunt	300	Edit	Delete

23:40

02-03-2022

## Form

Name:

Roll Number:

Course:

Events:

- ☐ Blind Coding
- ☐ Overnight Coding
- ☐ Games
- ☐ Online Treasure Hunt
- ☐ Puzzles

Total Fee:

100/- per event

## Registration Summary

Sl. No.	Name	Roll No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
3	Hello	5	B.Tech	Blind Coding,Online Treasure Hunt	200	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

```

MySQL Shell
mysql> localhost:33060> ssl lab4 SQL >
mysql> localhost:33060> ssl lab4 SQL >
mysql> localhost:33060> ssl lab4 SQL > SELECT * FROM registered_events;
+----+-----+-----+-----+-----+
| Roll | Name | Course | Events | Fee |
+----+-----+-----+-----+-----+
| 1 | Hola | M.Sc | Blind Coding,Games | 200 |
| 3 | Ram | B.Tech | Games,Online Treasure Hunt | 200 |
| 5 | Hello | B.Tech | Blind Coding,Online Treasure Hunt | 200 |
+----+-----+-----+-----+-----+
3 rows in set (0.0008 sec)

mysql> localhost:33060> ssl lab4 SQL >

```

Deleting a registration:

Event Registration

localhost:8081/EventRegistration/?name=Hello&roll=5&course=B.Tech&e1=Blind+Coding&e4=Online+Treasure+Hunt&fee=200

Continue your browsing in Microsoft Edge.  
Bring your favorites, passwords, history, and more from other browsers each time you log in.

localhost:8081 says  
Record deleted successfully!  
OK

ConfirmOptions

Form

Name:

Roll Number:

Course:

Events:

☐ Blind Coding

☐ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Total Fee:

100/- per event

Add

Clear

Registration Summary

Sl. No.	Name	Roll No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	Edit	Delete
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	Edit	Delete
3	Hello	5	B.Tech	Blind Coding,Online Treasure Hunt	200	Edit	Delete

00:48

ENG IN

03-03-2022

Event Registration

localhost:8081/EventRegistration/?name=Hello&roll=5&course=B.Tech&e1=Blind+Coding&e4=Online+Treasure+Hunt&fee=200

Continue your browsing in Microsoft Edge.  
Bring your favorites, passwords, history, and more from other browsers each time you log in.

Form

Name:

Roll Number:

Course:

Events:

☐ Blind Coding

☐ Overnight Coding

☐ Games

☐ Online Treasure Hunt

☐ Puzzles

Total Fee:

100/- per event

Add

Clear

Registration Summary

Sl. No.	Name	Roll No.	Course	Events	Fee	Edit	Delete
1	Hola	1	M.Sc	Blind Coding,Games	200	Edit	Delete
2	Ram	3	B.Tech	Games,Online Treasure Hunt	200	Edit	Delete

00:48

ENG IN

03-03-2022

```
MySQL Shell
MySQL localhost:33060+ ssl labd SQL >
MySQL localhost:33060+ ssl labd SQL > SELECT * FROM registered_events;
+-----+-----+-----+-----+
Roll | Name | Course | Events | Fee |
+-----+-----+-----+-----+
1 | Hala | B.Sc | Blind Coding,Games | 200 |
3 | Ram | B.Tech | Games,OnLine Treasure Hunt | 200 |
+-----+-----+-----+-----+
2 rows in set (0.0010 sec)
MySQL localhost:33060+ ssl labd SQL >
```