

GUVI TASK DAY-34 MYSQL TASK

DESIGN DB MODEL FOR GUVI ZEN CLASS

DATABASE : create database zenclass;

use zenclass;

TABLE:

1. Users
2. Codekata
3. Company drives
4. Batch data
5. Mentor
6. Topics
7. Task
8. Attendance

1.Users – table and value insert

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

SQL File 5* basic mysql

Limit to 1000 rows

```
2
3 • use zenclass;
4
5 -- create user table
6 • create table users(
7     user_id int auto_increment primary key,
8     user_name varchar(255),
9     email varchar(255),
10    createdAt datetime,
11    batch int
12 );
13
14 • show tables;
15 • desc users;
```

Result Grid

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
user_name	varchar(255)	YES		NULL	
email	varchar(255)	YES		NULL	
createdAt	datetime	YES		NULL	
batch	int	YES		NULL	

Result 2 x Read Only

Output

Action Output

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

SQL File 5* basic mysql

Limit to 1000 rows

```
12
13
14 • show tables;
15 • desc users;
16
17 -- insert users
18 • insert into users(user_name,email,createdAt,batch) values
19 ('Anitha','anitha@gmail.com',current_timestamp(),1),
20 ('Ash','ash@gmail.com',current_timestamp(),2),
21 ('Suba','suba@gmail.com',current_timestamp(),3),
22 ('Asmi','asmi@gmail.com',current_timestamp(),4),
23 ('Arthi','arthi@gmail.com',current_timestamp(),5);
24
25 • select * from users;
```

Result Grid

user_id	user_name	email	createdAt	batch
1	Anitha	anitha@gmail.com	2024-07-03 11:01:19	1
2	Ash	ash@gmail.com	2024-07-03 11:01:19	2
3	Suba	suba@gmail.com	2024-07-03 11:01:19	3
4	Asmi	asmi@gmail.com	2024-07-03 11:01:19	4
5	Arthi	arthi@gmail.com	2024-07-03 11:01:19	5

users 3 x Apply Revert

Output

Action Output

2.CODEKATA

MySQL Workbench

Local instance MySQL84 - W... x

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
28 • create table codekata(  
29     code_id int auto_increment primary key,  
30     user_id int,  
31     number_of_problem int,  
32     status_problem varchar(255),  
33     foreign key (user_id) references users(user_id)  
34 );  
35 • desc codekata;  
36  
37 -- insert value into codekata table  
38 • insert into codekata(user_id,number_of_problem,status_problem) values  
39     (1,30,'Pending'),  
40     (2,30,'Pending'),  
41     (3,30,'Finished'),  
42     (4,30,'Pending'),  
43     (5,30,'Finished');  
44 • select * from codekata;
```

Result Grid

Field	Type	Null	Key	Default	Extra
code_id	int	NO	PRI	<u>NULL</u>	auto_increment
user_id	int	YES	MUL	<u>NULL</u>	
number_of_problem	int	YES		<u>NULL</u>	
status_problem	varchar(255)	YES		<u>NULL</u>	

Result 3 x

Output

MySQL Workbench

Local instance MySQL84 - W... x

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
29     code_id int auto_increment primary key,  
30     user_id int,  
31     number_of_problem int,  
32     status_problem varchar(255),  
33     foreign key (user_id) references users(user_id)  
34 );  
35 • desc codekata;  
36  
37 -- insert value into codekata table  
38 • insert into codekata(user_id,number_of_problem,status_problem) values  
39     (1,30,'Pending'),  
40     (2,30,'Pending'),  
41     (3,30,'Finished'),  
42     (4,30,'Pending'),  
43     (5,30,'Finished');  
44 • select * from codekata;
```

Result Grid

	code_id	user_id	number_of_problem	status_problem
1		1	30	Pending
2		2	30	Pending
3		3	30	Finished
4		4	30	Pending
5		5	30	Finished
*	<u>NULL</u>	<u>NULL</u>	<u>NULL</u>	<u>NULL</u>

codekata 4 x

Output

3.COMPANY DRIVES

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
46 -- create company drives table
47 create table company_drives (
48     drive_id int auto_increment primary key,
49     user_id int,
50     drive_date date,
51     company varchar(100),
52     foreign key (user_id) references users(user_id)
53 );
54 desc company_drives;
55 -- insert value into company drives table
56 insert into company_drives(user_id, drive_date,company) values
57 (1,makedate(2024,16),'Accenture'),
58 (2,makedate(2024,20),'Apple'),
59 (3,makedate(2024,17),'Amazon'),
60 (4,makedate(2024,25),'CTS'),
61 (5,makedate(2024,15),'TCS');
```

Result Grid

Field	Type	Null	Key	Default	Extra
drive_id	int	NO	PRI		auto_increment
user_id	int	YES	MUL		
drive_date	date	YES			
company	varchar(100)	YES			

company_drives 10 Result 11

Output

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
47 create table company_drives (
48     drive_id int auto_increment primary key,
49     user_id int,
50     drive_date date,
51     company varchar(100),
52     foreign key (user_id) references users(user_id)
53 );
54 desc company_drives;
55 -- insert value into company drives table
56 insert into company_drives(user_id, drive_date,company) values
57 (1,makedate(2024,16),'Accenture'),
58 (2,makedate(2024,20),'Apple'),
59 (3,makedate(2024,17),'Amazon'),
60 (4,makedate(2024,25),'CTS'),
61 (5,makedate(2024,15),'TCS');
62 select * from company_drives;
```

Result Grid

drive_id	user_id	drive_date	company
6	5	2024-01-15	Accenture
7	1	2024-01-16	Apple
8	2	2024-01-20	Amazon
9	3	2024-01-17	CTS
10	4	2024-01-25	CTS
*			

company_drives 10

Apply Revert

Output

4.BATCH DATA

MySQL Workbench

Local instance MySQL84 - W... x

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
63
64 -- create batch data table
65 • create table batch_data (
66     batch_id int auto_increment primary key,
67     batch_name varchar(100)
68 );
69 • desc batch_data;
70
71 -- insert value into batch data table
72 • insert into batch_data(batch_name) values
73     ('fsd-2022'),
74     ('fsd-2023'),
75     ('fsd-2024'),
76     ('ds-2023'),
77     ('ds-2024');
78 • select * from batch_data;
79
```

Result Grid

Field	Type	Null	Key	Default	Extra
batch_id	int	NO	PRI	NULL	auto_increment
batch_name	varchar(100)	YES		NULL	

company_drives 10 Result 13 x Read Only

MySQL Workbench

Local instance MySQL84 - W... x

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
63
64 -- create batch data table
65 • create table batch_data (
66     batch_id int auto_increment primary key,
67     batch_name varchar(100)
68 );
69 • desc batch_data;
70
71 -- insert value into batch data table
72 • insert into batch_data(batch_name) values
73     ('fsd-2022'),
74     ('fsd-2023'),
75     ('fsd-2024'),
76     ('ds-2023'),
77     ('ds-2024');
78 • select * from batch_data;
79
```

Result Grid

batch_id	batch_name
1	fsd-2022
2	fsd-2023
3	fsd-2024
4	ds-2023
5	ds-2024
6	NULL

company_drives 10 batch_data 14 x Apply

5. MENTOR

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
79
80 -- create mentors table
81 • create table mentors(
82     mentor_id int auto_increment primary key,
83     mentor_name varchar(100),
84     mentor_email varchar(100)
85 );
86 • desc mentors;
87 -- insert values into mentors tables
88 • insert into mentors (mentor_name,mentor_email) values
89     ('Kowsi','kowsi@gmail.com'),
90     ('Sanjay','sanjay@gmail.com'),
91     ('PraveenKanth','pk@gmail.com'),
92     ('Arun','arun@gmail.com'),
93     ('Abitha','abi@gmail.com');
94 • select * from mentors;
```

Result Grid

Field	Type	Null	Key	Default	Extra
mentor_id	int	NO	PRI		auto_increment
mentor_name	varchar(100)	YES			
mentor_email	varchar(100)	YES			

Result 17 x

Read Only

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
79
80 -- create mentors table
81 • create table mentors(
82     mentor_id int auto_increment primary key,
83     mentor_name varchar(100),
84     mentor_email varchar(100)
85 );
86 • desc mentors;
87 -- insert values into mentors tables
88 • insert into mentors (mentor_name,mentor_email) values
89     ('Kowsi','kowsi@gmail.com'),
90     ('Sanjay','sanjay@gmail.com'),
91     ('PraveenKanth','pk@gmail.com'),
92     ('Arun','arun@gmail.com'),
93     ('Abitha','abi@gmail.com');
94 • select * from mentors;
```

Result Grid

mentor_id	mentor_name	mentor_email
1	Kowsi	kowsi@gmail.com
2	Sanjay	sanjay@gmail.com
3	PraveenKanth	pk@gmail.com
4	Arun	arun@gmail.com
5	Abitha	abi@gmail.com
* NULL	NULL	NULL

mentors 18 x

Apply

6.TOPICS:

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

```
-- create topic table
create table topics (
  topic_id int auto_increment primary key,
  topic varchar(100),
  topic_date date,
  mentorid int,
  foreign key (mentorid) references mentors(mentor_id)
);
desc topics;
-- insert values into topics table
insert into topics (topic,topic_date,mentorid) values
('HTML',makedate(2023,10),1),
('JS',makedate(2023,11),2),
('REACT',makedate(2023,12),3),
('mysql',makedate(2023,13),4),
('Nodejs',makedate(2023,14),5);
select * from topics;
```

Result Grid

Field	Type	Null	Key	Default	Extra
topic_id	int	NO	PRI		auto_increment
topic	varchar(100)	YES			
topic_date	date	YES			
mentorid	int	YES	MUL		

Result 19 x

Output

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

```
-- create topic table
create table topics (
  topic_id int auto_increment primary key,
  topic varchar(100),
  topic_date date,
  mentorid int,
  foreign key (mentorid) references mentors(mentor_id)
);
desc topics;
-- insert values into topics table
insert into topics (topic,topic_date,mentorid) values
('HTML',makedate(2023,10),1),
('JS',makedate(2023,11),2),
('REACT',makedate(2023,12),3),
('mysql',makedate(2023,13),4),
('Nodejs',makedate(2023,14),5);
select * from topics;
```

Result Grid

topic_id	topic	topic_date	mentorid
1	HTML	2023-01-10	1
2	JS	2023-01-11	2
3	REACT	2023-01-12	3
4	mysql	2023-01-13	4
5	Nodejs	2023-01-14	5

topics 20 x

Output

7.TASK

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
114 -- create task table
115 create table task(
116     taskid int auto_increment primary key,
117     topicid int,
118     task varchar(1000),
119     batch_id int,
120     foreign key (topicid) references topics(topic_id)
121 );
122 desc task;
123 -- insert values into task table
124 insert into tasks(topicid, task, batch_id) values
125 (1, 'HTML Task', 1),
126 (2, 'JS Task', 2),
127 (3, 'REACT Task', 3),
128 (4, 'mysql Task', 4),
129 (5, 'Nodejs task', 5);
130 select * from tasks;
```

Result Grid

Field	Type	Null	Key	Default	Extra
taskid	int	NO	PRI	NULL	auto_increment
topicid	int	YES	MUL	NULL	
task	varchar(1000)	YES		NULL	
batch_id	int	YES		NULL	

Result 21 x

Read Only

Output

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
114 -- create task table
115 create table task(
116     taskid int auto_increment primary key,
117     topicid int,
118     task varchar(1000),
119     batch_id int,
120     foreign key (topicid) references topics(topic_id)
121 );
122 desc task;
123 -- insert values into task table
124 insert into task(topicid, task, batch_id ) values
125 (1, 'HTML Task', 1),
126 (2, 'JS Task', 2),
127 (3, 'REACT Task', 3),
128 (4, 'mysql Task', 4),
129 (5, 'Nodejs task', 5);
130 select * from task;
```

Result Grid

	taskid	topicid	task	batch_id
1	1	1	HTML Task	1
2	2	2	JS Task	2
3	3	3	REACT Task	3
4	4	4	mysql Task	4
5	5	5	Nodejs task	5

task 22 x

Apply Revert

Output

8. ATTENDANCE

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
132 -- create attendance table
133 create table attendance (
134     attendanceid int auto_increment primary key,
135     user_id int,
136     topics_id int,
137     attended boolean,
138     foreign key ( user_id ) references users( user_id),
139     foreign key ( topics_id ) references topics(topic_id)
140 );
141 desc attendance;
142 -- insert values into attendance table
143 insert into attendance( user_id, topics_id, attended) values
144 (1, 3, true),
145 (2, 1, true),
146 (3, 2, false),
147 (4, 4, true),
148 (5, 4, false);
```

Result Grid

Field	Type	Null	Key	Default	Extra
attendanceid	int	NO	PRI	<u>NONE</u>	auto_increment
user_id	int	YES	MUL	<u>NONE</u>	
topics_id	int	YES	MUL	<u>NONE</u>	
attended	tinyint(1)	YES		<u>NONE</u>	

Result 23 x

Output

MySQL Workbench

Local instance MySQL84 - W...

File Edit View Query Database Server Tools Scripting Help

design db model basic mysql

Limit to 1000 rows

```
134     attendanceid int auto_increment primary key,
135     user_id int,
136     topics_id int,
137     attended boolean,
138     foreign key ( user_id ) references users( user_id),
139     foreign key ( topics_id ) references topics(topic_id)
140 );
141 desc attendance;
142 -- insert values into attendance table
143 insert into attendance( user_id, topics_id, attended) values
144 (1, 3, true),
145 (2, 1, true),
146 (3, 2, false),
147 (4, 4, true),
148 (5, 4, false);
149 select * from attendance;
```

Result Grid

	attendanceid	user_id	topics_id	attended
1	1	1	3	1
2	2	2	1	1
3	3	3	2	0
4	4	4	4	1
5	5	5	4	0
*	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>	<u>NONE</u>

attendance 24 x

Output