GUVI TASK DAY-34 MYSQL TASK

DESIGN DB MODEL FOR GUVI ZEN CLASS

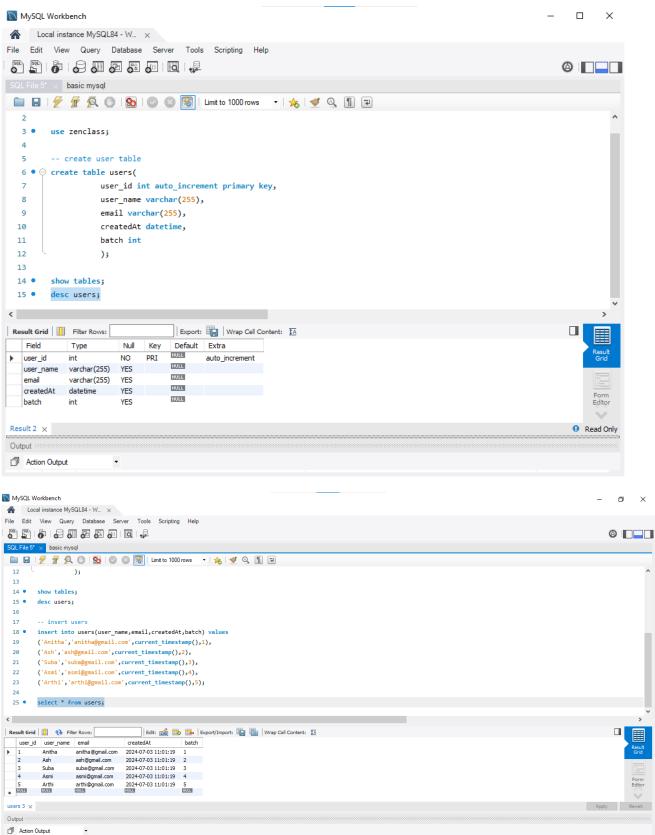**DATABASE : create database zenclass;**

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

2.CODEKATA


```sql
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;
```

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


```sql
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;
```

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
NULL	NULL	NULL	NULL

3.COMPANY DRIVES


```sql
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');
```

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


```sql
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;
```

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
NULL	NULL	NULL	NULL

4.BATCH DATA


```
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
```

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


```
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
```

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

5.MENTOR


```sql
-- create mentors table
create table mentors(
        mentor_id int auto_increment primary key,
        mentor_name varchar(100),
        mentor_email varchar(100)
        );
desc mentors;
-- insert values into mentors tables
insert into mentors (mentor_name,mentor_email) values
('Kowsi','kowsi@gmail.com'),
('Sanjay','sanjay@gmail.com'),
('PraveenKanth','pk@gmail.com'),
('Arun','arun@gmail.com'),
('Abitha','abi@gmail.com');
select * from mentors;
```

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


```sql
-- create mentors table
create table mentors(
        mentor_id int auto_increment primary key,
        mentor_name varchar(100),
        mentor_email varchar(100)
        );
desc mentors;
-- insert values into mentors tables
insert into mentors (mentor_name,mentor_email) values
('Kowsi','kowsi@gmail.com'),
('Sanjay','sanjay@gmail.com'),
('PraveenKanth','pk@gmail.com'),
('Arun','arun@gmail.com'),
('Abitha','abi@gmail.com');
select * from mentors;
```

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

6.TOPICS:


```sql
-- 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;
```

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

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
NULL	NULL	NULL	NULL

7.TASK


```
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;
```

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	


```
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;
```

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

8.ATTENDANCE


```
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);
```

Field	Type	Null	Key	Default	Extra
attendanceid	int	NO	PRI	NULL	auto_increment
user_id	int	YES	MUL	NULL	
topics_id	int	YES	MUL	NULL	
attended	tinyint(1)	YES		NULL	

```
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;
```

attendanceid	user_id	topics_id	attended
1	1	3	1
2	2	1	1
3	3	2	0
4	4	4	1
5	5	4	0
NULL	NULL	NULL	NULL