Day 36 task : Questions

The Following are the tables has to be in your database & model deisgn:

users

codekata

attendance

topics

tasks

company_drives

mentors

students_activated_courses

courses

The following are the queries need to be executed

1. Create tables for the above list given

2. insert at least 5 rows of values in each table

3. get number problems solved in codekata by combining the users

4. display the no of company drives attended by a user

5. combine and display students_activated_courses and courses for a specific user groping them based on the course

6. list all the mentors

7. list the number of students that are assigned for a mentor

****

****

// Question number #1 and #2

CREATE DATABASE Guvi_students;

```sql
USE Guvi_students;

CREATE TABLE USERS(
Id INT Not Null Auto_increment,
student_name varchar(45),
student_email varchar(45),
primary key(Id));

CREATE TABLE codekata(
Id INT Not Null Auto_increment,
program_name varchar(255),
problem_solved_count int,
user_Id int not null,
primary key(Id),
foreign key (user_Id) references USERS(Id)
);

CREATE TABLE attendance(
Id INT Not Null Auto_increment,
monthly_attendance varchar(255),
remarks_attendance varchar(255),
user_Id int not null,
primary key(Id),
foreign key (user_Id) references USERS(Id));

CREATE TABLE topics(
Id INT Not Null Auto_increment,
topic_name varchar(255),
internal_task varchar(255),
```

```sql
user_Id int not null,

primary key(Id),

foreign key (user_Id) references USERS(Id));


CREATE TABLE companydrives(

Id INT Not Null Auto_increment,

drives_name varchar(255),

access_times int,

user_Id int not null,

primary key(Id),

foreign key (user_Id) references USERS(Id));


CREATE TABLE mentors(

Id INT Not Null Auto_increment,

mentors_name varchar(255),

mentors_Id int not null,

user_Id int not null,

primary key(Id),

foreign key (user_Id) references USERS(Id));


CREATE TABLE students_activated_courses(

Id INT Not Null Auto_increment,

course_name varchar(255),

course_Id int not null,

status_course varchar(45),

user_Id int not null,

primary key(Id),

foreign key (user_Id) references USERS(Id));
```

```sql
CREATE TABLE courses(

Id INT Not Null Auto_increment,

course_name varchar(45) not null,

course_duration varchar(45),

primary key(Id));


//Altered the tables


ALTER TABLE attendance RENAME COLUMN month_attendance to monthly_attendance;

drop table courses;

select *from mentors;

alter table USERS add gender varchar(10);

ALTER TABLE USERS DROP COLUMN gender;


INSERT INTO USERS(student_name,student_email,gender)

VALUES('Mohammed Ajaas','smajaas@gmail.com','Male'),

('Nandhini','nandhu@gmail.com','Female'),('Suresh','suresh@gmail.com','Male'),

('Afaan','appu@yahoo.com','Female'),('Saranya','saranya@gmail.com','Female');


select *from codekata;

UPDATE USERS SET gender='Male' WHERE id=4;



INSERT INTO codekata (program_name,problem_solved_count,user_Id)

VALUES('JAVASCRIPT',5,1),('JAVASCRIPT',8,3),('JAVA',12,2),('SQL',22,1),

('JAVASCRIPT',30,4),('PYTHON',18,5),('PYTHON',16,4);


alter table attendance MODIFY COLUMN monthly_attendance varchar(45);
```

```sql
INSERT INTO attendance (monthly_attendance,remarks_attendance,user_Id)

VALUES('23 Days','Good',1),('30 Days','Fair',2),('18 Days','OK',3),('27 Days','FAIR',4),

('11 Days','Warn',5);


select *from attendance;


INSERT INTO topics (topic_name,internal_task,user_Id)

VALUES('HTTP','YES',1),('JAVASCRIPT','YES',3),('HTML','NO',2),('CSS','YES',1),

('CSS','YES',4),('PYTHON','NO',5),('SQL','NO',4),

('HTML','YES',3),('JAVASCRIPT','YES',2),('REACT','YES',1),

('MONGODB','YES',4),('REACT','NO',5),('REACT','YES',4);


select *from topics;


INSERT INTO companydrives (drives_name,access_times,user_Id)

VALUES('JAVA',12,1),('JAVASCRIPT',13,3),('PYTHON',28,2),('CSS',56,1),

('MONGODB',24,4),('SQL',16,5),('CODEKATA',88,4),

('DATASTRUCTURE',17,3),('ZENTASKS',123,2),('REACT',33,1),

('HTML',82,4),('AWS',14,5),('FLASK',7,4);


select *from companydrives;


INSERT INTO mentors (mentors_name,mentors_Id,user_Id)

VALUES('Raghav',12551,1),('Sai Mohan',12555,3),('Ajaas',12756,2),('Mohan',12343,1),

('Muruganantham',12676,4),('Sridevi',12865,5),('Bhaskaran',12765,4),

('Abdul',12888,3),('Palanivel',12367,2);


INSERT INTO mentors (mentors_name,mentors_Id,user_Id)

VALUES('Raghav',12551,3);
```

```
select *from mentors;


INSERT INTO students_activated_courses(course_name,course_Id,status_course,user_Id)

VALUES('Full stack Development',11,'activated',1),('Python IIT',12,'activated',3),

('Ethical Hacking',13,'activated',2),

('AWS Master',14,'activated',1),('Testing Automation',15,'activated',4),

('Master Data Science',16,'activated',5),('JAVASCRIPT FULL COURSE',17,'activated',1),

('Machine Learning',18,'activated',3),('C programming',19,'activated',2),

('MySQL',20,'activated',1),('Angular JS',21,'activated',4),

('Block Chain',22,'activated',5),('Full stack Development',11,'activated',3),('MySQL',20,'activated',1);


select *from students_activated_courses;


INSERT INTO courses(course_name,course_duration)

VALUES('Full stack Development','3 months & 5 months'),('Python IIT','2 months'),

('Ethical Hacking','3 months'),

('AWS Master','2 months'),('Testing Automation','3 months'),

('Master Data Science','6 months'),('JAVASCRIPT FULL COURSE','1 month'),

('Machine Learning','5 months'),('C programming','2 months'),

('MySQL','2 months'),('Angular JS','3 months'),

('Block Chain','3 months');


select *from courses;
```

//Question#3

select program_name,student_name,problem_solved_count

from codekata inner join users on users.Id=codekata.user_Id;

program_name	student_name	problem_solved_count
JAVASCRIPT	Mohammed Ajaas	5
SQL	Mohammed Ajaas	22
JAVA	Nandhini	12
JAVASCRIPT	Suresh	8
JAVASCRIPT	Afaan	30
PYTHON	Afaan	16
PYTHON	Saranya	18

//Question#4

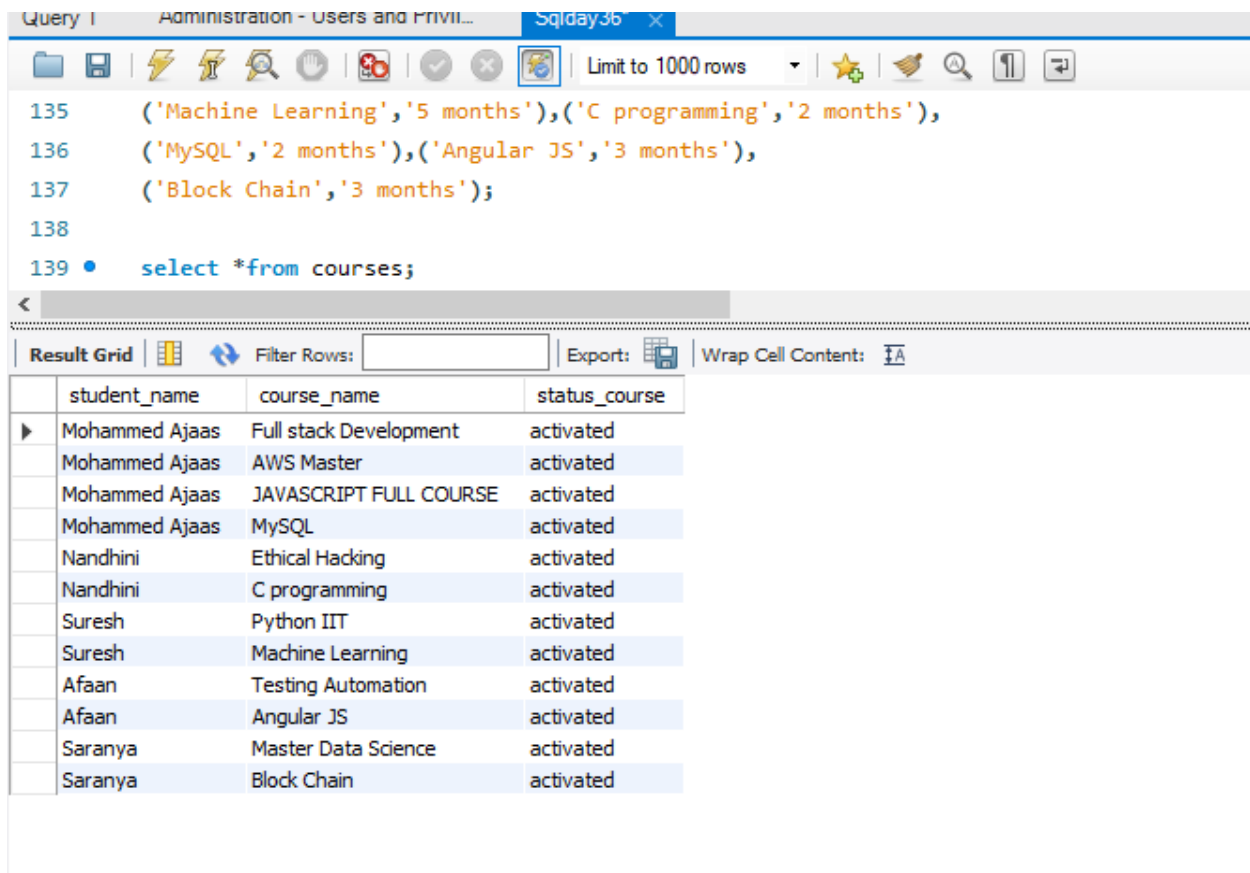**select student_name,drives_name,access_times from companydrives inner join users on users.Id=companydrives.user_Id;**

```
133     ('AWS Master','2 months'),('Testing Automation','3 months'),
134     ('Master Data Science','6 months'),('JAVASCRIPT FULL COURSE','1 month'),
135     ('Machine Learning','5 months'),('C programming','2 months'),
136     ('MySQL','2 months'),('Angular JS','3 months'),
137     ('Block Chain','3 months');
```

student_name	drives_name	access_times
Mohammed Ajaas	JAVA	12
Mohammed Ajaas	CSS	56
Mohammed Ajaas	REACT	33
Nandhini	PYTHON	28
Nandhini	ZENTASKS	123
Suresh	JAVASCRIPT	13
Suresh	DATASTRUCTURE	17
Afaan	MONGODB	24
Afaan	CODEKATA	88
Afaan	HTML	82
Afaan	FLASK	7
Saranya	SQL	16
Saranya	AWS	14

//Question#5

select student_name,course_name,status_course from students_activated_courses

inner join users on users.Id=students_activated_courses.user_Id

group by course_name;


```
135     ('Machine Learning','5 months'),('C programming','2 months'),
136     ('MySQL','2 months'),('Angular JS','3 months'),
137     ('Block Chain','3 months');
138
139 •   select *from courses;
```

student_name	course_name	status_course
Mohammed Ajaas	Full stack Development	activated
Mohammed Ajaas	AWS Master	activated
Mohammed Ajaas	JAVASCRIPT FULL COURSE	activated
Mohammed Ajaas	MySQL	activated
Nandhini	Ethical Hacking	activated
Nandhini	C programming	activated
Suresh	Python IIT	activated
Suresh	Machine Learning	activated
Afaan	Testing Automation	activated
Afaan	Angular JS	activated
Saranya	Master Data Science	activated
Saranya	Block Chain	activated

//Question#6

Select mentors_name from mentors;

```
135        ('Machine Learning','5 months'),('C programming','2 months'),
136        ('MySQL','2 months'),('Angular JS','3 months'),
137        ('Block Chain','3 months');
138
139 •      select *from courses;
```

mentors_name
Raghav
Sai Mohan
Ajaas
Mohan
Muruganantham
Sridevi
Bhaskaran
Abdul
Palanivel
Raghav

//Question#7

Select mentors_name, count(user_Id) from mentors group by mentors_name;

```
138
139 •      select *from courses;
140
141 •      select program_name,student_name,problem_solved_count
142        from codekata inner join users on users.Id=codekata.user_Id;
```

mentors_name	count(user_Id)
Raghav	2
Sai Mohan	1
Ajaas	1
Mohan	1
Muruganantham	1
Sridevi	1
Bhaskaran	1
Abdul	1
Palanivel	1