

1-Dhay Majed Alzaher 2190001584
 2-Bashir Saud Alsaffar 2190003715
 3-Seema Hussain Hilal 2190000508
 4-Raghad wadia alshuwkh 2190000881
 5-Afnan mohammed darwish 2190004168

Users table:

```

17
18 * create table users (
19     user_ID numeric not null primary key,
20     fname char(10),
21     midname char(10),
22     lname char(10),
23     age int (3),
24     city char(10),
25     workexperience char(45),
26     contact_num int (7),
27     skills char(45),
28     Email varchar(30),
29     education char(10),
30     companyID int references Company (Comp_ID)
31 );
  
```

Users data:

	user_ID	fname	midname	lname	age	city	workexperience	contact_num	skills	Email	education	companyID
▶	123450	Dhay	Majed	Alzaher	20	Riyadh	Marketing	5678390	Teamwork	Dhay23@gmail.com	student	NULL
	123451	Bashayer	Saud	Alsaffar	19	Jeddah	Accounting	5678390	Leading	BSS@gmail.com	Master	NULL
	123453	Afnan	Mohammed	Darwish	28	Dhahran	IT	5678390	Decision-making	AfnanMoh@gmail.com	PHD	NULL
	123454	Majed	Abduladeem	Alzaher	38	Riyadh	Manager	5678390	Administrate	MajedA@gmail.com	PHD	NULL
	123455	Ahmad	Mohammed	Alzaher	23	Riyadh	Manager	5678380	Administrate	Mohammed@gmail.com	Master	NULL
	123456	Bader	Jassim	Alsaffar	30	Jeddah	IT	5678380	Leading	Jassim@gmail.com	Master	NULL
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Users specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	user_ID	project	users	DECIMAL	binary	11	6	0	
2	fname	project	users	CHAR	utf8mb4	10	8	0	
3	midname	project	users	CHAR	utf8mb4	10	10	0	
4	lname	project	users	CHAR	utf8mb4	10	9	0	
5	age	project	users	INT	binary	3	2	0	
6	city	project	users	CHAR	utf8mb4	10	7	0	
7	workexperience	project	users	CHAR	utf8mb4	45	10	0	
8	contact_num	project	users	INT	binary	7	7	0	
9	skills	project	users	CHAR	utf8mb4	45	15	0	
10	Email	project	users	VARCHAR	utf8mb4	30	18	0	
11	education	project	users	CHAR	utf8mb4	10	7	0	
12	companyID	project	users	INT	binary	11	0	0	

Users description:

	Field	Type	Null	Key	Default	Extra
►	user_ID	decimal(10,0)	NO	PRI	NULL	
	fname	char(10)	YES		NULL	
	midname	char(10)	YES		NULL	
	lname	char(10)	YES		NULL	
	age	int	YES		NULL	
	city	char(10)	YES		NULL	
	workexperience	char(45)	YES		NULL	
	contact_num	int	YES		NULL	
	skills	char(45)	YES		NULL	
	Email	varchar(30)	YES		NULL	
	education	char(10)	YES		NULL	
	companyID	int	YES		NULL	

Volunteer table:

```
44 • create table volunteer
45 (
46     volunteer_num int,
47     details varchar(100),
48     Datee date,
49     City varchar(100),
50     Place varchar(100),
51     Seats_no int,
52     Enrollment_type varchar(100),
53     Gender varchar(100),
54     Qualifications varchar(100),
55     Is_remote varchar(100),
56     Urgent varchar(100),
57     Requires_interview varchar(100),
58     Benefits varchar(100),
59     Required_skills varchar(100),
60     Support_provided varchar(100),
61     Tasks varchar(100),
62     Required_profession varchar(100),
63     Required_age varchar(100),
64     primary key(volunteer_num),
65     c_ID int references Company (Comp_ID),
66     u_ID int references users (user_ID)
67 );
```

Volunteer data:

[illegible]

Volunteer specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	volunteer_num	project	volunteer	INT	binary	11	1	0	
2	details	project	volunteer	VARCHAR	utf8mb4	100	30	0	
3	Datee	project	volunteer	DATE	binary	10	10	0	
4	City	project	volunteer	VARCHAR	utf8mb4	100	6	0	
5	Place	project	volunteer	VARCHAR	utf8mb4	100	23	0	
6	Seats_no	project	volunteer	INT	binary	11	1	0	
7	Enrollment_type	project	volunteer	VARCHAR	utf8mb4	100	6	0	
8	Gender	project	volunteer	VARCHAR	utf8mb4	100	10	0	
9	Qualifications	project	volunteer	VARCHAR	utf8mb4	100	26	0	
10	Is_remote	project	volunteer	VARCHAR	utf8mb4	100	2	0	
11	Urgent	project	volunteer	VARCHAR	utf8mb4	100	3	0	
12	Requires_interview	project	volunteer	VARCHAR	utf8mb4	100	2	0	
13	Benefits	project	volunteer	VARCHAR	utf8mb4	100	36	0	
14	Required_skills	project	volunteer	VARCHAR	utf8mb4	100	16	0	
15	Support_provided	project	volunteer	VARCHAR	utf8mb4	100	2	0	
16	Tasks	project	volunteer	VARCHAR	utf8mb4	100	44	0	
17	Required_profession	project	volunteer	VARCHAR	utf8mb4	100	4	0	
18	Required_age	project	volunteer	VARCHAR	utf8mb4	100	3	0	
19	c_ID	project	volunteer	INT	binary	11	0	0	
20	u_ID	project	volunteer	INT	binary	11	6	0	

Volunteer description:

Field	Type	Null	Key	Default	Extra	
volunteer_num	int	NO	PRI	NULL		
details	varchar(100)	YES		NULL		
Datee	date	YES		NULL		
City	varchar(100)	YES		NULL		
Place	varchar(100)	YES		NULL		
Seats_no	int	YES		NULL		
Enrollment_type	varchar(100)	YES		NULL		
Gender	varchar(100)	YES		NULL		
Qualifications	varchar(100)	YES		NULL		
Is_remote	varchar(100)	YES		NULL		
Urgent	varchar(100)	YES		NULL		
Requires_inter...	varchar(100)	YES		NULL		
Benefits	varchar(100)	YES		NULL		
Required_skills	varchar(100)	YES		NULL		
Support_provi...	varchar(100)	YES		NULL		
Tasks	varchar(100)	YES		NULL		
Required_prof...	varchar(100)	YES		NULL		
Required_age	varchar(100)	YES		NULL		
c_ID	int	YES		NULL		
u_ID	int	YES		NULL		

Courses Table:

```

86 * create table courses
87 (
88     user_id int,
89     course_id int,
90     course_name varchar(100),
91     instructor_name varchar(100),
92     Date date,
93     hours varchar(100),
94     course_goal varchar(1000),
95     primary key (course_id),
96     com_ID int references Company (Comp_ID),
97     user__id int references users (user_id)
98 );

```

Courses data:

	user_id	course_id	course_name	instructor_name	Date	hours	course_goal	com_ID	user__id
▶	123452	1230	Creative Thinking Skills	Daniel Cape	2021-08-12	1 H	Creative thinking for a business environment	NULL	NULL
	123452	1231	Leadership and Influence	Dr. Alex Durig	2021-06-02	30 MIN	Influencing Others and Developing Influential Pr...	NULL	NULL
	123450	1232	Customer Service Professionalism Series	The KnowledgeCity	2021-09-05	45 MIN	Providing professional customer service	NULL	NULL
	123451	1233	Mail Threats	The KnowledgeCity	2021-04-05	20 MIN	learn about the different types of threats that ma...	NULL	NULL
	123454	1234	Cybersecurity: The Three Pillars	Eric Jeffery	2021-08-24	2 H	earn how the three pillars of the information sec...	NULL	NULL
	123450	1235	Conflicts of Interest	The KnowledgeCity	2021-07-14	1 H	Identifying conflicts of interest in yourself and ot...	NULL	NULL
	123455	1236	Information Security for End Users	The KnowledgeCity	2021-10-10	37 MIN	learn how to assess your risk, best practices for...	NULL	NULL
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Courses specifications:

Field Types								
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale
1	user_id	project	courses	INT	binary	11	6	0
2	course_id	project	courses	INT	binary	11	4	0
3	course_name	project	courses	VARCHAR	utf8mb4	100	39	0
4	instructor_name	project	courses	VARCHAR	utf8mb4	100	17	0
5	Date	project	courses	DATE	binary	10	10	0
6	hours	project	courses	VARCHAR	utf8mb4	100	7	0
7	course_goal	project	courses	VARCHAR	utf8mb4	1000	148	0
8	com_ID	project	courses	INT	binary	11	0	0
9	user__id	project	courses	INT	binary	11	0	0

Courses description:

Field	Type	Null	Key	Default	Extra
▶ user_id	int	YES		NULL	
course_id	int	NO	PRI	NULL	
course_name	varchar(100)	YES		NULL	
instructor_name	varchar(100)	YES		NULL	
Date	date	YES		NULL	
hours	varchar(100)	YES		NULL	
course_goal	varchar(1000)	YES		NULL	
com_ID	int	YES		NULL	
user__id	int	YES		NULL	

Jobs Table:

```

112 CREATE TABLE Jobs(
113     job_num INT (15) PRIMARY KEY ,
114     job_type VARCHAR (45),
115     Location VARCHAR (10),
116     Gender VARCHAR (1),
117     Salary INT (6),
118     DescOfJob varchar (250),
119     compan_ID int REFERENCES company (company_ID)
120     userrr_ID int REFERENCES users (user_ID)
121 );

```

Jobs data:

	job_num	job_type	Location	Gender	Salary	DescOfJob	compan_ID	userrr_ID
▶	1	Hydrology Engineer	Dammam	M	10000	Extensive experience using FHWA (HEC) and S...	NULL	123450
	2	Customer Service Officer	Khobar	M	7500	will be responsible for providing a full Aqua-Tots...	NULL	123451
	3	Registered Nurse	Dhahran	F	6475	Participates in the care, custody and administrat...	NULL	123453
	4	Key Account Manager	Riyadh	M	5560	Resolve any issues and problems faced by cust...	NULL	123454
	5	Training & Development Officer	Dammam	M	8000	Develop, implement, and monitor training progr...	NULL	123455
	6	Workshop Manager	Khobar	F	9860	To ensure that the activities of the workshop are...	NULL	123456
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Jobs specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	job_num	project	jobs	INT	binary	15	1	0	
2	job_type	project	jobs	VARCHAR	utf8mb4	45	30	0	
3	Location	project	jobs	VARCHAR	utf8mb4	10	7	0	
4	Gender	project	jobs	VARCHAR	utf8mb4	1	1	0	
5	Salary	project	jobs	INT	binary	6	5	0	
6	DescOfJob	project	jobs	VARCHAR	utf8mb4	250	196	0	
7	compan_ID	project	jobs	INT	binary	11	0	0	
8	userrr_ID	project	jobs	INT	binary	11	6	0	

Jobs description:

	Field	Type	Null	Key	Default	Extra
▶	job_num	int	NO	PRI	NULL	
	job_type	varchar(45)	YES		NULL	
	Location	varchar(10)	YES		NULL	
	Gender	varchar(1)	YES		NULL	
	Salary	int	YES		NULL	
	DescOfJob	varchar(250)	YES		NULL	
	compan_ID	int	YES		NULL	
	userrr_ID	int	YES		NULL	

Company table:

```
157 create table Company(
158     Comp_ID int primary key,
159     Comp_Name varchar(100),
160     sector_type varchar(100),
161     Comp_type varchar(100),
162     Country varchar(100),
163     City varchar(100),
164     Phone_Num varchar(100),
165     Comp_Email varchar(100),
166     Comp_Website varchar(100),
167     Comp_Description varchar(400),
168     Volunteer_N int(100) references volunteer (volunteer_num),
169     Job_Num int references Jobs (Job_N),
170     Course_Num int references courses (course_id),
171     User_ID int references Users (User_id)
172 );
```

Company data:

Comp_ID	Comp_Name	sector_type	Comp_type	Country	City	Phone_Num	Comp_Email	Comp_Website	Comp_Description
1	Saudi Aramco	Private	International	Saudi Arabia	Dhahran	(013) 872 2222	webmaster2@aramco.com	https://www.aramco.com/en	Saudi Aramco operates the world's la
2	IKEA	Public	International	Saudi Arabia	Dhahran	9200 04532	ikea.recruitment.no@ikea.com	https://www.ikea.com/sa/	SScandinavian chain selling ready-to
3	Sabic	Private	International	Saudi Arabia	Riyadh	011 225 8000	IR@SABIC.COM	https://www.sabic.com/en	From making cars and planes more f
4	Intertek	Private	International	United Kingdom	London	(013) 882 3616	business.assurance@intertek.com	https://www.intertek.com	For more than 130 years, companies
5	Ministry of Education	Public	Local	Saudi Arabia	Riyadh	00966114415555	contact@moe.gov.sa	https://www.moe.gov.sa/en/	The Ministry of Education provides ex
6	Almana General Hospitals	Private	Local	Saudi Arabia	Alkhobar	9200 33440	career@almanahospital.com.	https://almanahospital.com.sa/eng	the largest Medical Company & Heal

Company specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	Comp_ID	project	company	INT	binary	11	1	0	
2	Comp_Name	project	company	VARCHAR	utf8mb4	100	24	0	
3	sector_type	project	company	VARCHAR	utf8mb4	100	7	0	
4	Comp_type	project	company	VARCHAR	utf8mb4	100	13	0	
5	Country	project	company	VARCHAR	utf8mb4	100	14	0	
6	City	project	company	VARCHAR	utf8mb4	100	8	0	
7	Phone_Num	project	company	VARCHAR	utf8mb4	100	14	0	
8	Comp_Email	project	company	VARCHAR	utf8mb4	100	31	0	
9	Comp_Website	project	company	VARCHAR	utf8mb4	100	33	0	
10	Comp_Description	project	company	VARCHAR	utf8mb4	400	297	0	
11	Volunteer_N	project	company	INT	binary	100	0	0	
12	Job_Num	project	company	INT	binary	11	0	0	
13	Course_Num	project	company	INT	binary	11	0	0	
14	User_ID	project	company	INT	binary	11	0	0	

Company description:

Field	Type	Null	Key	Default	Extra	
▶ Comp_ID	int	NO	PRI	NULL		
Comp_Name	varchar(100)	YES		NULL		
sector_type	varchar(100)	YES		NULL		
Comp_type	varchar(100)	YES		NULL		
Country	varchar(100)	YES		NULL		
City	varchar(100)	YES		NULL		
Phone_Num	varchar(100)	YES		NULL		
Comp_Email	varchar(100)	YES		NULL		
Comp_Website	varchar(100)	YES		NULL		
Comp_Description	varchar(400)	YES		NULL		
Volunteer_N	int	YES		NULL		
Job_Num	int	YES		NULL		
Course_Num	int	YES		NULL		
User_ID	int	YES		NULL		

Information table:

```

194 create table information(
195     course_info varchar(100),
196     company_info varchar(100),
197     job_info varchar(100),
198     volunteer_info varchar(100),
199     UID int references users (user_ID)
200 );

```

Information specifications:

Field Types								
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale
1	course_info	project	information	VARCHAR	utf8mb4	100	0	0
2	company_info	project	information	VARCHAR	utf8mb4	100	0	0
3	job_info	project	information	VARCHAR	utf8mb4	100	0	0
4	volunteer_info	project	information	VARCHAR	utf8mb4	100	0	0
5	UID	project	information	INT	binary	11	0	0

Information description:

Field	Type	Null	Key	Default	Extra	
▶ course_info	varchar(100)	YES		NULL		
company_info	varchar(100)	YES		NULL		
job_info	varchar(100)	YES		NULL		
volunteer_info	varchar(100)	YES		NULL		
UID	int	YES		NULL		

Offers table:

```
209 • ⊖ create table offers(  
210     comID int references Company (Comp_ID),  
211     vnum int references volunteer (volunteer_num),  
212     jnum int references jobs (job_num),  
213     cou_id int references courses (course_id),  
214     primary key(comID)  
215 );
```

Offers specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	comID	project	offers	INT	binary	11	0	0	
2	vnum	project	offers	INT	binary	11	0	0	
3	jnum	project	offers	INT	binary	11	0	0	
4	cou_id	project	offers	INT	binary	11	0	0	

Offers description:

	Field	Type	Null	Key	Default	Extra	
►	comID	int	NO	PRI	NULL		
	vnum	int	YES		NULL		
	jnum	int	YES		NULL		
	cou_id	int	YES		NULL		

Can_view table:

```
220 • ⊖ create table can_view(  
221     compID int references Company (Comp_ID),  
222     us_ID int references users (user_ID),  
223     primary key(compID)  
224 );
```

Can_view specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	compID	project	can_view	INT	binary	11	0	0	
2	us_ID	project	can_view	INT	binary	11	0	0	

Can_view description:

	Field	Type	Null	Key	Default	Extra
►	complID	int	NO	PRI	NUL	
	us_ID	int	YES		NUL	

Choose table:

```
228 • ⊖ create table choose(  
229     Vnumber int references volunteer (volunteer_num),  
230     uD int references users (user_ID)  
231 );
```

Choose specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	Vnumber	project	choose	INT	binary	11	0	0	
2	uD	project	choose	INT	binary	11	0	0	

Choose description:

	Field	Type	Null	Key	Default	Extra
►	Vnumber	int	YES		NUL	
	uD	int	YES		NUL	

Apply table:

```
235 • ⊖ create table apply(  
236     U_I int references users (user_ID),  
237     jb_no int references Jobs(job_num)  
238 );
```

Apply specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	U_I	project	apply	INT	binary	11	0	0	
2	jb_no	project	apply	INT	binary	11	0	0	

Apply description:

	Field	Type	Null	Key	Default	Extra
▶	U_I	int	YES		NULL	
	jb_no	int	YES		NULL	

Take table:

```
233 • ⊖ create table take(  
234     Uss_ID int references users (user_ID),  
235     cs_id int references courses (course_id)  
236 );  
237 • select * from take;
```

Take specifications:

Field Types									
#	Field	Schema	Table	Type	Character Set	Display Size	Precision	Scale	
1	Uss_ID	project	take	INT	binary	11	0	0	
2	cs_id	project	take	INT	binary	11	0	0	

Take description:

	Field	Type	Null	Key	Default	Extra
▶	Uss_ID	int	YES		NULL	
	cs_id	int	YES		NULL	

Query #1:

View statement to print the user information(first name, last name, age, and city) that have an education level of PHD.

```
193  
194     /*      #1      */  
195  
196 • Create view View1  
197 ⊖ AS ( Select fname, lname, age, city  
198     from users  
199     where education='PHD');  
200 • Select * from View1;  
201
```

1:192

Result Grid

	fname	lname	age	city
▶	Afnan	Darwish	28	Dhahran
	Majed	Alzaher	38	Riyadh

Query #2:

View statement to print the course information(course ID and Course name) that have an duration of one hour.

```
204 • Create view View2
205   AS ( Select course_id, course_name
206         from courses
207         where hours='1 H');
208 • Select * from View2;
209
```

1:193

Result Grid Filter Rows: Search Export:

course_id	course_name
1230	Creative Thinking Skills
1235	Conflicts of Interest

Query #3:

Procedure that takes a company name as a parameter of type IN, which will print 'IKEA' company information.

```
220  /*      #3      */
221  Delimiter $$
222  • CREATE PROCEDURE company_name( In Company_Name varchar (100) )
223  BEGIN
224  SELECT * from Company where Comp_Name=Company_Name ;
225  END;$$
226  Delimiter ;
227
228
229  delimiter ;
230  • SELECT @c_n :='IKEA';
231  • CALL company_name(@c_n);
232
```

14:216

Result Grid Filter Rows: Search Export:

Comp_ID	Comp_Name	sector_type	Comp_type	Country	City	Phone_Num	Comp_Email	Comp_Website	Comp_Description	Volunteer_N	Job_Num	Course_Num	User_ID
2	IKEA	Private	International	Saudi Arabia	Dhahran	9200 04532	ikea.recruitment.no@ikea.com	https://www.ikea.com/sa/	SScandinavian chain selling ready-to-assemble...	NULL	NULL	NULL	NULL

Query #4:

Printing the user by ordering the first name ascendingly.

```

236  /*      #4      */
237  SELECT * FROM users
238  ORDER BY fname ASC;
239
240
241

```

1:231

Result Grid Filter Rows: Search Edit: Export/Import:

user_ID	fname	midname	lname	age	city	workexperience	contact_num	skills	Email	education	companyID
123453	Afnan	Mohammed	Darwish	28	Dhahran	IT	5678390	Decision-making	AfnanMoh@gmail.com	PHD	HULL
123455	Ahmad	Mohammed	Alzaher	23	Riyadh	Manager	5678380	Administrative	Mohammed@gmail.com	Master	HULL
123456	Bader	Jassim	Alsaffar	30	Jeddah	IT	5678380	Leading	Jassim@gmail.com	Master	HULL
123451	Bashayer	Saud	Alsaffar	19	Jeddah	Accounting	5678390	Leading	BSS@gmail.com	Master	HULL
123450	Dhay	Majed	Alzaher	20	Riyadh	Marketing	5678390	Teamwork	Dhay23@gmail.com	student	HULL
123454	Majed	Abduladeem	Alzaher	38	Riyadh	Manager	5678390	Administrative	MajedA@gmail.com	PHD	HULL
HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL

Query #5:

A procedure that takes a location as a parameter of type IN, then it Updates the location of the job with type 'Workshop Manager' from 'Jeddah' to 'Khobar'.

```

240
241  /*      #5      */
242  Delimiter $$
243  CREATE PROCEDURE update_jB( In j_loc varchar (45) )
244  BEGIN
245      Update Jobs Set Location = @j_loc
246      where job_type = 'Workshop Manager';
247  END;$$
248  Delimiter ;
249
250  delimiter ;
251  set @j_loc := 'Khobar';
252  CALL update_jB(@j_loc);
253  select * from Jobs;
254

```

100% 20:237

Result Grid Filter Rows: Search Edit: Export/Import:

job_num	job_type	Location	Gender	Salary	DescOfJob	compan_ID	userrr_ID
1	Hydrology Engineer	Dammam	M	10000	Extensive experience using FHWA (HEC) and S...	NULL	NULL
2	Customer Service Officer	Khobar	M	7500	will be responsible for providing a full Aqua-Tots	NULL	NULL
3	Registered Nurse	Dhahran	F	6475	Participates in the care, custody and administrat...	NULL	NULL
4	Key Account Manager	Riyadh	M	5560	Resolve any issues and problems faced by cust...	NULL	NULL
5	Training & Development Officer	Dammam	M	8000	Develop, implement, and monitor training progr...	NULL	NULL
6	Workshop Manager	Khobar	F	9860	To ensure that the activities of the workshop are...	NULL	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query #6:

An update statement that changes the date of the volunteer job to a new one where the place is in 'cancer assosiation'.

```

255  /*      #6      */
256  UPDATE volunteer
257  SET Datee = '2021-7-20'
258  WHERE Place = 'cancer assosiation' ;
259  select Datee, details, Place from volunteer;

```

00% 12:248

Result Grid Filter Rows: Search Export:

Datee	details	Place
2021-09-06	visit patients in the hospital	Almana General Hospital
2021-07-20	creat a poster	cancer assosiation

Query #7:

Combining the job type from the jobs table and company name from the company table together in a single column called Name, and also combining the location from the jobs table and the city from the company table in another column called Location then displaying the result.

```

260
261  /*      #7      */
262  • Select  job_type as Name, Location From Jobs
263      Union
264      Select Comp_Name as Name, City From Company;

```

00% 25:252

Result Grid Filter Rows: Search Export:

Name	Location
Hydrology Engineer	Dammam
Customer Service Officer	Khobar
Registered Nurse	Dhahran
Key Account Manager	Riyadh
Training & Development Officer	Dammam
Workshop Manager	Khobar
Saudi Aramco	Dhahran
IKEA	Dhahran
Sabir	Riyadh
Intertek	London
Ministry of Education	Riyadh
Almana General Hospitals	Alkhobar

Query #8:

Combining the date from the courses table and date name from the volunteer table together in a single column called DATE, and also combining the course goal where the goal is 'Providing professional customer service' from the courses table and the tasks from the volunteer table where the task is 'design a poster for our next cancer campaign' in another column called JOB then displaying the result.

```

265
266  /*      #8      */
267  • Select  Date as DATE, course_goal as JOB From courses
268      where course_goal='Providing professional customer service'
269      Union
270      Select Date as DATE, Tasks as JOB From volunteer
271      where Tasks='design a poster for our next cancer campaign';

```

100% 45:259

Result Grid Filter Rows: Search Export:

DATE	JOB
2021-09-05	Providing professional customer service
2021-07-20	design a poster for our next cancer campaign

Query #9:

Display the users information where their middle name starts with the letter 'M'.


```
271      /*      #9      */
272      select * from users
273      where midname like 'M%';
```

100%

1:263

Result Grid

Filter Rows:

Search

Edit:

Export/Import:

user_ID	fname	midname	lname	age	city	workexperience	contact_num	skills	Email	education	companyID
123453	Afnan	Mohammed	Darwish	28	Dhahran	IT	5678390	Decision-making	AfnanMoh@gmail.com	PHD	NULL
123455	Ahmad	Mohammed	Alzahr	23	Riyadh	Manager	5678380	Administrate	Mohammed@gmail.com	Master	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query #10:

Printing the user first name, last name, city, and the job type by joining the users table and jobs table.

```

300      /*      #10      */
301      SELECT users.fname, users.lname, users.city, job_type
302      FROM users
303      INNER JOIN Jobs
304      ON users.user_ID = Jobs.userrr_ID;

```

100% 16:296

Result Grid Filter Rows: Search Export:

fname	lname	city	job_type
Dhay	Alzahr	Riyadh	Hydrology Engineer
Bashayer	Alsaffar	Jeddah	Customer Service Officer
Afnan	Darwish	Dhahran	Registered Nurse
Majed	Alzahr	Riyadh	Key Account Manager
Ahmad	Alzahr	Riyadh	Training & Development Officer
Bader	Alsaffar	Jeddah	Workshop Manager

Query #11:

Display the minimum age of users where their city is ‘Riyadh’.

```

306      /*      #11      */
307      SELECT MIN(age)
308      FROM users
309      WHERE city = 'Riyadh';

```

100% 13:298

Result Grid Filter Rows: Search

MIN(age)
20

Query #12:

Updating the IKEA sector type from Private to public.

```

311      /*      #12      */
312      Delimiter $$
313      CREATE PROCEDURE update_sector( In c_sec varchar (45) )
314      BEGIN
315          Update Company Set sector_type = @c_sec
316          where Comp_Name = 'IKEA';
317      END;$$
318      Delimiter ;
319
320      delimiter ;
321      set @c_sec := 'Public';
322      CALL update_sector(@c_sec);
323      select * from Company;

```

100% 13:309

Result Grid Filter Rows: Search Edit: Export/Import:

Comp_ID	Comp_Name	sector_type	Comp_type	Country	City	Phone_Num	Comp_Email	Comp_Website	Comp_Description
1	Saudi Aramco	Private	International	Saudi Arabia	Dhahran	(013) 872 2222	webmaster2@aramco.com	https://www.aramco.com/en	Saudi Aramco operate
2	IKEA	Public	International	Saudi Arabia	Dhahran	9200 04532	ikea.recruitment.no@ikea.com	https://www.ikea.com/sa/	SScandinavian chain
3	Sabic	Private	International	Saudi Arabia	Riyadh	011 225 8000	IR@SABIC.COM	https://www.sabic.com/en	From making cars and
4	Intertek	Private	International	United Kingdom	London	(013) 882 3616	business.assurance@intertek.com	https://www.intertek.com	For more than 130 ye
5	Ministry of Education	Public	Local	Saudi Arabia	Riyadh	00966114415555	contact@mohe.gov.sa	https://www.moe.gov.sa/en/	The Ministry of Educa
6	Almana General Hospitals	Private	Local	Saudi Arabia	Alkhobar	9200 33440	career@almanahospital.com.	https://almanahospital.com.sa/eng	the largest Medical C
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query #13:

Displaying the user first name, last name, city, and place by using the IN operator.

```

334
335  /*      #13      */
336  SELECT DISTINCT a.fname, a.lname, a.city, Place FROM users a, volunteer
337  WHERE user_ID IN (SELECT u_ID FROM volunteer);

```

100% 12:328

Result Grid Filter Rows: Search Export:

	fname	lname	city	Place
▶	Majed	Alzaher	Riyadh	cancer assosiation
	Majed	Alzaher	Riyadh	Almana General Hospital
	Bader	Alsaffar	Jeddah	cancer assosiation
	Bader	Alsaffar	Jeddah	Almana General Hospital

Query #14:

Displaying all of the company information where the company id is between 00000002 AND 00000004.

```

339  /*      #14      */
340  SELECT *
341  FROM Company
342  WHERE Comp_ID BETWEEN 00000002 AND 00000004;

```

22:333

Result Grid Filter Rows: Search Edit: Export/Import:

Comp_ID	Comp_Name	sector_type	Comp_type	Country	City	Phone_Num	Comp_Email	Comp_Website	Comp_Description
2	IKEA	Public	International	Saudi Arabia	Dhahran	9200 04532	ikea.recruitment.no@ikea.com	https://www.ikea.com/sa/	SScandinavian chain selling ready-to-assemble..
3	Sabic	Private	International	Saudi Arabia	Riyadh	011 225 8000	IR@SABIC.COM	https://www.sabic.com/en	From making cars and planes more fuel-efficien..
4	Intertek	Private	International	United Kingdom	London	(013) 882 3616	business.assurance@intertek.com	https://www.intertek.com	For more than 130 years, companies around th...

Query #15:

Displaying the count of locations available in the Jobs table.

```

343
344  /*      #15      */
345  SELECT COUNT(DISTINCT Location) FROM Jobs;

```

1:338

Result Grid Filter Rows: Search Export:

COUNT(DISTINCT Location)
▶ 4