- 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:

Users data:

	user_ID	fname	midname	Iname	age	city	workexperience	contact_num	skills	Email	education	companyID
▶	123450	Dhay	Majed	Alzaher	20	Riyadh	Marketing	5678390	Teamwork	Dhay23@gmail.com	student	NOLL
	123451	Bashayer	Saud	Alsaffarr	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
20	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULE	NULL

Users specifications:

	Field	Schema	Table	Туре	Character Set	Display Size	Precision Sc	ale
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	Iname	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	Туре	Null	Key	Default	Extra	
▶	user_ID	decimal(10,0)	NO	PRI	NULL		
	fname	char(10)	YES		NULL		
	midname	char(10)	YES		NULL		
	Iname	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:

```
create table volunteer
45 ⊝ (
46
      volunteer_num int,
47
      details varchar(100),
48
      Datee date,
      City varchar(100),
50
      Place varchar(100),
      Seats_no int,
52
      Enrollment_type varchar(100),
53
      Gender varchar(100),
      Qualifications varchar(100),
55
      Is_remote varchar(100),
56
      Urgent varchar(100),
      Requires_interview varchar(100),
58
      Benefits varchar(100),
      Required_skills varchar(100),
      Support_provided varchar(100),
      Tasks varchar(100),
      Required_profession varchar(100),
63
      Required_age varchar(100),
      primary key(volunteer_num),
      c_ID int references Company (Comp_ID),
      u_ID int references users (user_ID)
```

Volunteer data:

ı	volunteer_num	details	Datee	City	Place	Seats_no	Enrollment_type	Gender	Qualifications	ls_remote	Urgent	Requires_interview	Benefits
•	1	visit patients in the hospital	2021-09-06	dammam	Almana General Hospital	5	social	any gender	no qualifications	no	no	no	record the nu
	2	creat a poster	2021-07-20	khobar	cancer assosiation	1	social	any gender	know how to design posters	no	yes	no	record the nu
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	HULL	HULL

Volunteer specifications:

Field	Schema	Table	Туре	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 ls_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	Туре	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		
				2			

Courses Table:

```
create table courses
87 \Theta (
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),
       user__id int references users (user_id)
```

Courses data:

user_id	course_id	course_name	instructor_name	Date	hours	course_goal	com_ID	userid
123452	1230	Creative Thinking Skills	Daniel Cape	2021-08-12	1 H	Creative thinking for a business environment	NULL!	NOLL
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					NULL	NULL
123451		Mail Threats	The KnowledgeCity	2021-04-05		learn about the different types of threats that ma		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					HULL
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
	100							

Courses specifications:

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

Courses description:

	Field	Туре	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	
	userid	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	М	10000	Extensive experience using FHWA (HEC) and S	NULL	123450
	2	Customer Service Officer	Khobar	М	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	М	5560	Resolve any issues and problems faced by cust	NULL	123454
	5	Training & Development Officer	Dammam	М	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	Field Types										
#	Field	Schema	Table	Туре	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			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	Туре	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:

```
Comp_ID int primary key,

Comp_Name varchar(100),

sector_type varchar(100),

Comp_type varchar(100),

Country varchar(100),

City varchar(100),

City varchar(100),

Comp_Email varchar(100),

Comp_Email varchar(100),

Comp_Description varchar(400),

Volunteer_N int(100) references volunteer (volunteer_num),

Job_Num int references Course_id),

Vser_ID int references Users (User_id)

172
```

Company data:

L	Comp_ID	Comp_Name	sector_type	Comp_type	Country	City	Phone_Num	Comp_Email	Comp_Website	Comp_Description
Þ	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
Т	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@mohe.gov.sa	https://www.moe.gov.sa/en/	The Ministry of Education provides ed
Ξ	6	Almana General Hospitals	Private	Local	Saudi Arabia	Alkhobar	9200 33440	career@almanahospital.com.	https://almanahospital.com.sa/eng	the largest Medical Company & Heal
	Territoria.	Trimers.	The state of the s	The state of the s	Territoria.	Territoria.	The state of the s	ATTENDANCE OF THE PARTY OF THE	Parties.	Delivers .

Company specifications:

	<u> </u>							
Field	Types							
#	Field	Schema	Table	Туре	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
1	0 Comp_Description	project	company	VARCHAR	utf8mb4	400	297	0
1	1 Volunteer_N	project	company	INT	binary	100	0	0
1	2 Job_Num	project	company	INT	binary	11	0	0
1	3 Course_Num	project	company	INT	binary	11	0	0
1	4 User_ID	project	company	INT	binary	11	0	0

Company description:

Field	Туре	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	$\overline{}$	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	Schema	Table	Туре	Character Set	Display Size	Precision	Scale	
	1 course_info	project	information	VARCHAR	utf8mb4	100		0	C
	2 company_info	project	information	VARCHAR	utf8mb4	100		0	C
	3 job_info	project	information	VARCHAR	utf8mb4	100		0	C
	4 volunteer_info	project	information	VARCHAR	utf8mb4	100		0	0
	5 UID	project	information	INT	binary	11		0	С

Information description:

	Field	Туре	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:

Offers specifications:

Field T	ypes								
#	Field	Schema	Table	Туре	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	Туре	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:

Can_view specifications:

	_							
Fie	ld Types							
#	Field	Schema	Table	Туре	Character Set	Display Size	Precision S	cale
	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	Туре	Null	Key	Default	Extra
▶	compID	int	NO	PRI	NULL	
	us_ID	int	YES		NULL	

Choose table:

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

Choose specifications:

Fi	eld Types								
#	Field	Schema	Table	Туре	Character Set	Display Size	Precision	Scale	
	1 Vnumber	project	choose	INT	binary	11	()	0
	2 uD	project	choose	INT	binary	11	()	0

Choose description:

Field	Туре	Null	Key	Default	Extra	
▶ Vnumber	int	YES		NULL		
uD	int	YES		NULL		

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:

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

Apply description:

Fie	eld	Туре	Null	Key	Default	Extra
▶ U_	J	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:

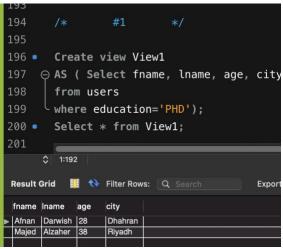
Field	i Types			•					
#	Field	Schema	Table	Туре	Character Set	Display Size	Precision	Scale	
	1 Uss_ID	project	take	INT	binary	11	(0
	2 cs_id	project	take	INT	binary	11	(0

Take description:

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

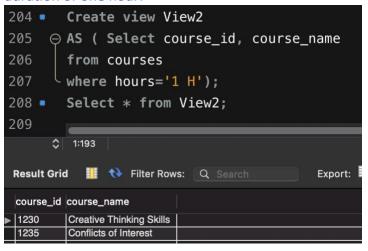
Query #1:

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



Query #2:

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



Query #3:

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

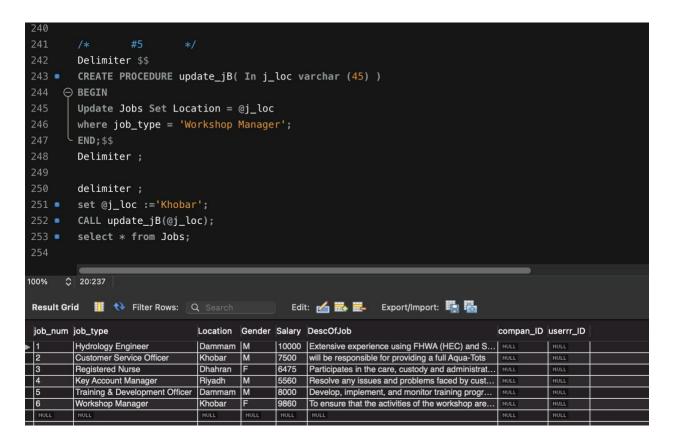
Query #4:

Printing the user by ordering the first name ascendingly.



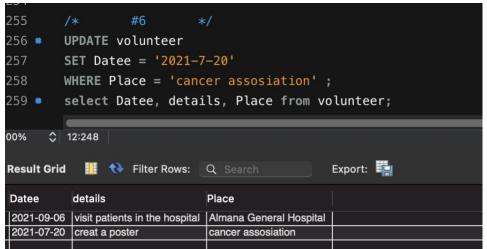
Query #5:

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'.



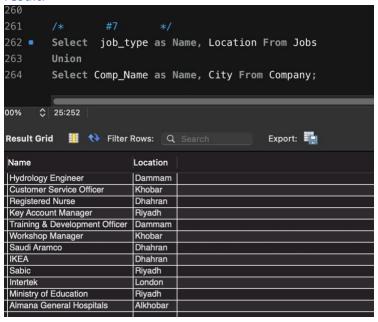
Query #6:

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



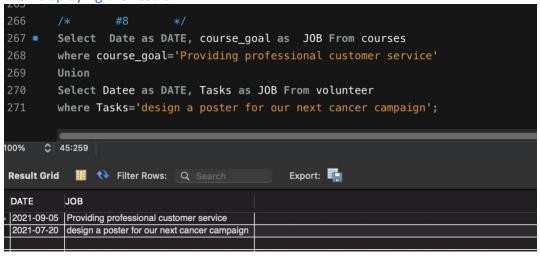
Query #7:

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.



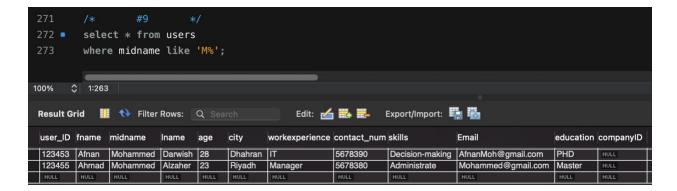
Query #8:

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.



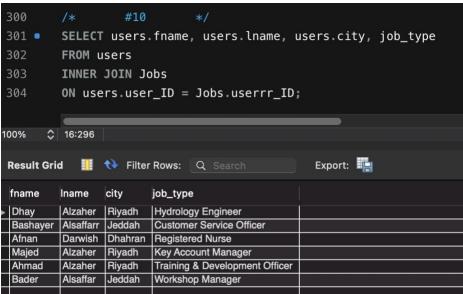
Query #9:

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



Query #10:

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

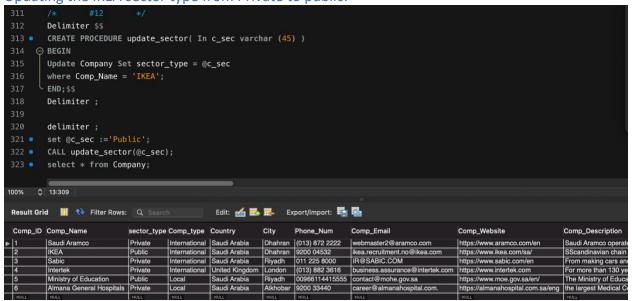


Query #11:

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

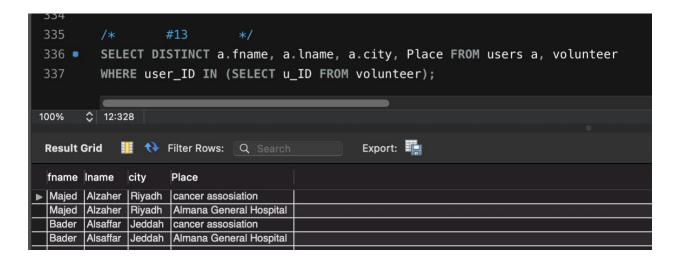
Query #12:

Updating the IKEA sector type from Private to public.



Query #13:

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



Query #14:

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



Query #15:

Displaying the count of locations available in the Jobs table.

