

Project

Database Fundamentals
2nd semester AH1445

Project Title: Building a database for a food delivery system that “allows the customer to order food from the appropriate restaurant, provide a .menu, choose the item, and deliver with the representative

Date: 29 January

-	Student ID	Name	Task
1	444008237	Sara Al-Qozi	The representative + the code of the table + .number 2, 3 in part 2 + ER Diagram
2	444007594	Abdeyah alamri	The Word+ the client + the code of the table + .ER Diagram
3	444005771	Ohoud Al-Zubaidi	Designing the mapping + the order + the code .of the table
4	444000900	Haila Al-Nashiri	The presentation + the restaurant + the code .of the table + the scenario
5	444002216	Talah Al-Falahi	Writing relationships + the menu + the code of .the table

Dr :Saad Al-bogami

Part1:

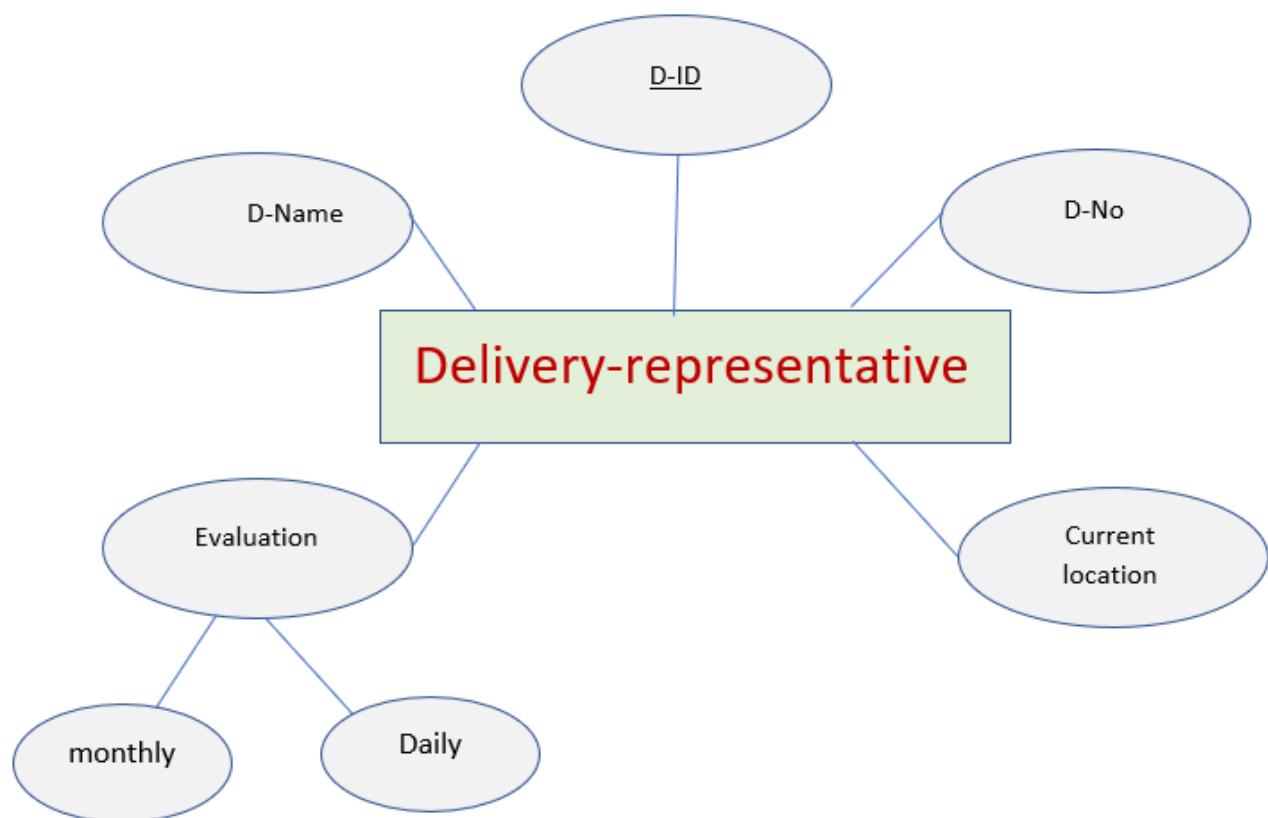
Scenario

Food delivery app database

The food delivery app is regulated by RESTAURANT . Each restaurant has a unique ID, name, phone number, address and price level. The restaurant has many ORDERS and all orders. Each order has a unique ID, name, description, price and menu category. CLIENTS who take all orders, and each client takes many orders. Each client has a unique ID, name, address, phone number and password. The client can also request from more than one restaurant and from all restaurants as well. Many orders are delivered by DELIVERY REPRESENTATIVES , and the representative will also deliver more than one order. The restaurant has many delivery representatives, all of whom work for it. Each delivery representative has an ID, name, number, current location, and the evaluation that is divided into daily and monthly. The restaurant contains a lot of FOOD MENU and has all the menus.each menu has a unique dish name, category, ingredients and multiple additives and price

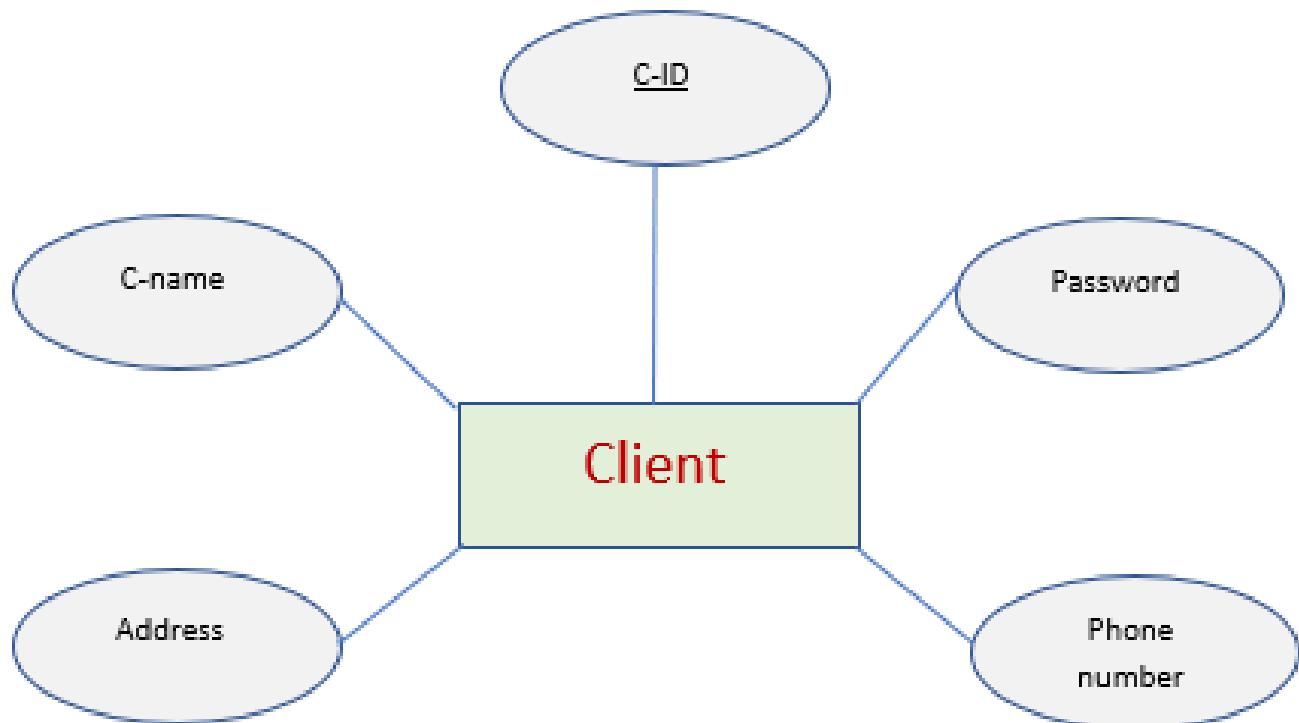
Delivery-representative

Current location	monthly	daily	D-No	D-Name	D-ID
Mecca	Bad	Good	0561991	Sara	139159
Riyadh	Good	Bad	1234567	Seren	876098
Qunfudhah	Very Bad	Bad	0595155	Razan	395519
Dammam	Bad	Good	0509936	Amal	991351
Tabuk	Bad	Excllent	1230987	Talh	999123
Al-Baha	Good	Very Good	4567890	sara	009955
Abha	Excellent	Excellent	0541184	Reem	323421
Hasa	Bad	Excellent	0506771	Fatima	982693
Al-Baha	Good	Good	0566343	Nejood	412773
Jazan	Good	Bad	0598197	Abdeyah	671585



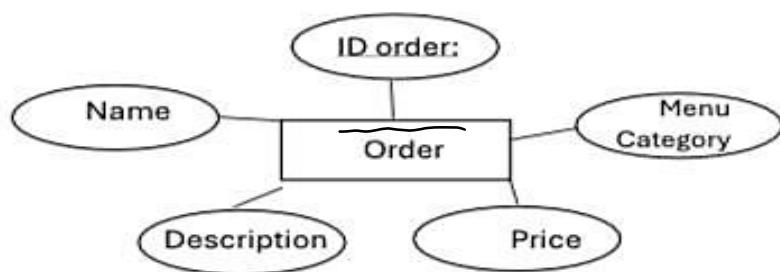
Client

C-ID	C-name	Password	Phone number	Address
233	Noura	No-12	0501120813	305-14th Ave <u>S.suite 38</u>
134	Mohammed	M@24	0553240321	Keskuskatu 45
521	Sara	Sa.123	0554219332	<u>Ul.filtrowa 68</u>
332	Khaled	Kh-81	0502814567	Skagen.21
415	Amal	Am-67	0550322147	417-12th Ave <u>S.suite 38</u>
917	Abdullah	Ab@13	0505217852	Keskuskatu 34
823	Ghala	Gh.141	0507829434	<u>Ul.filtrowa 51</u>
417	Fahad	Fa-910	0553288701	Skagen.31
561	Fatimah	F-A12	0553274251	504-16th Ave <u>S.suite 38</u>
243	Sultan	Su.903	0550433218	Keskuskatu 76



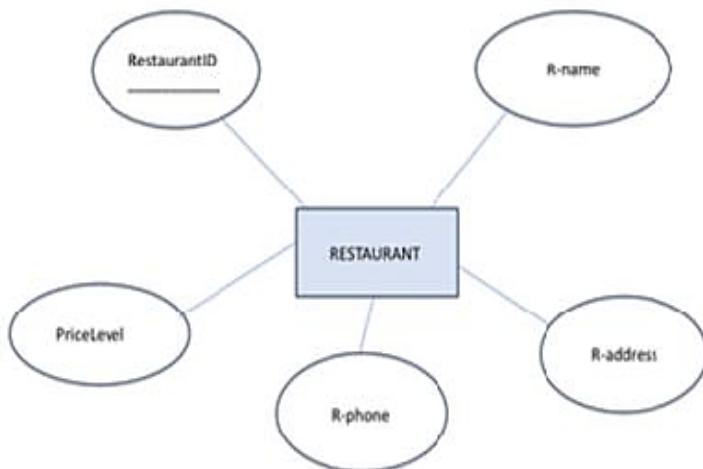
Order:

ID.order:	Name:	Description:	Price:	Menu Category:
123456789	Beef Burger	Delicious grilled beef burger with fresh vegetables and sauce	7	Menu1
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato sauce, and special cheese	15	Menu1
121820838	Arugula Salad	Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing	9	Menu5
283803190	Steak	Rich and perfectly grilled steak with barbecue sauce	99	Menu2
738173020	Vegetable Pizza	Pizza stuffed with a variety of fresh vegetables and cheese	17	Menu3
073127323	Salmon Sushi	Sushi rolls with fresh salmon, avocado, and soy sauce	26	Menu5
813201103	Chicken Sandwich	Tasty sandwich with grilled chicken, vegetables, and sauce	11	Menu4
236630147	Quinoa Salad	Nutritious salad with quinoa, vegetables, and lemon dressing	13	Menu2
831838313	Orange Juice	Natural orange juice without any additives	4	Menu3
162936639	Chocolate Dessert	Delicious dessert with rich chocolate pieces and creamy texture	8	Menu4



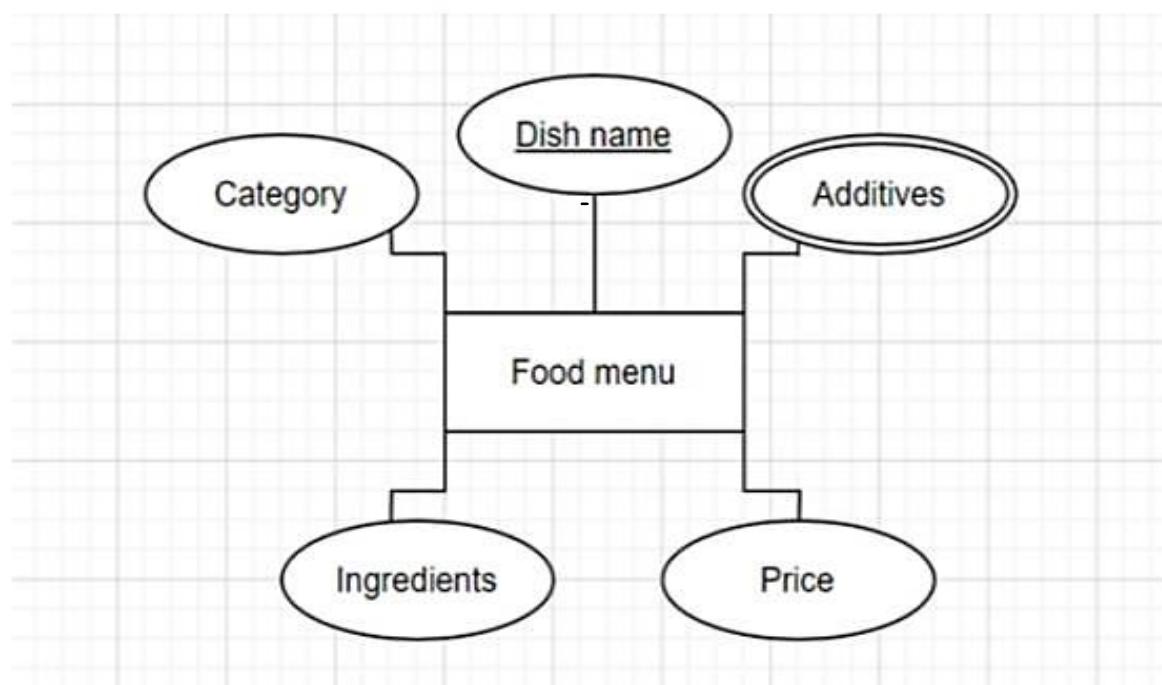
RESTAURANT

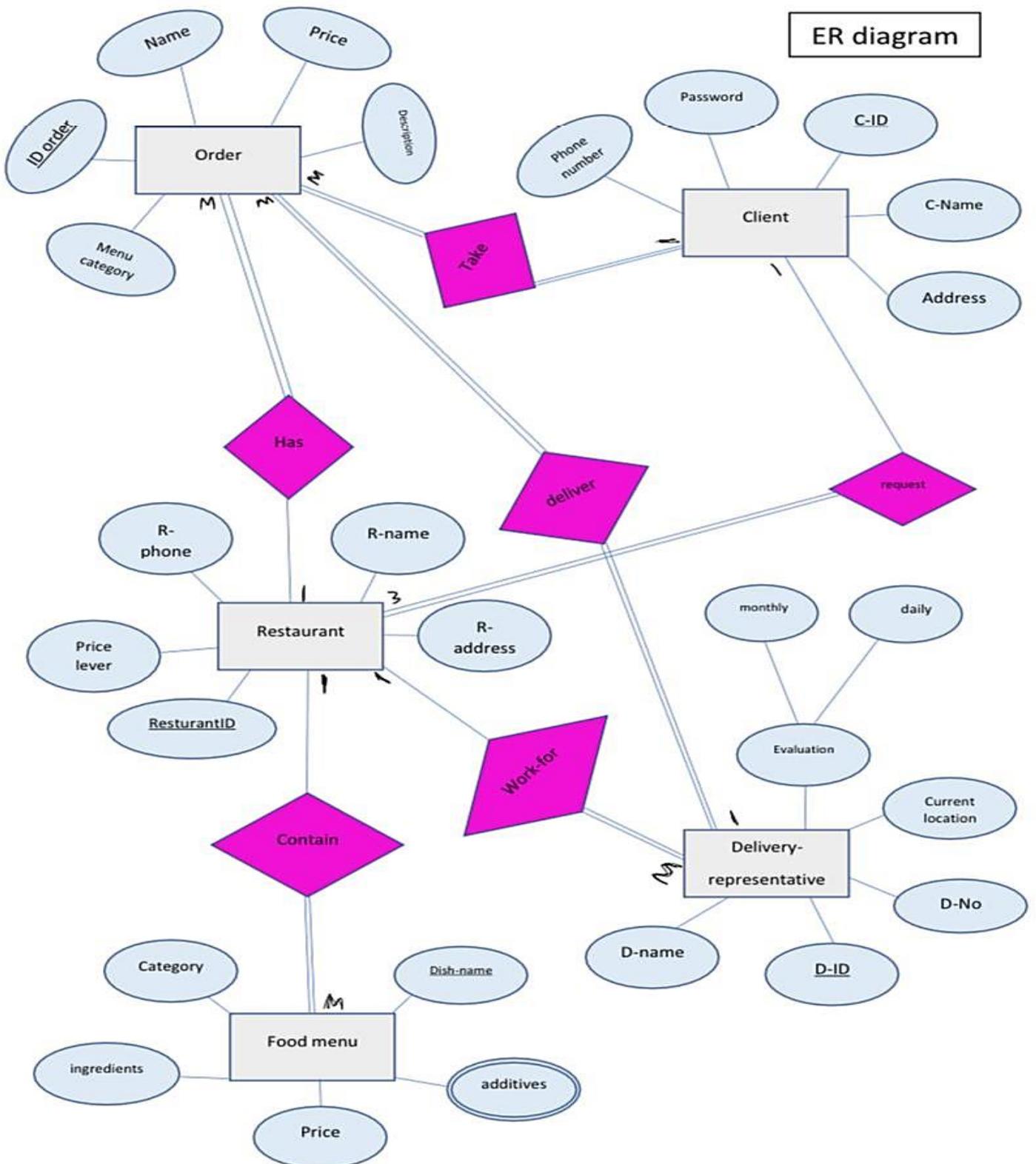
RestaurantID	R-name	R-address	R-phone	PriceLevel
00034567	Kudu	Makkah	920003670	Middle
43566780	McDonald	Jeddah	920006200	High
23456718	Al baik	Al Qunfidhah	9200 25 125	Middle
70034567	KFC	Jeddah	92003306	High
60080769	Pizza Hut	Jeddah	920000133	High
40905667	Subway	Al Qunfidhah	920002233	High
60708890	Domino's Pizza	Al Qunfidhah	920004546	Middle
55679237	I'm Hungry	Abha	920033445	Middle
45678991	Herfy	Abha	920023467	Middle
45578999	Burger King	Makkah	920000638	High



Food menu

Dish Name	Category	Ingredients	Additive	Price
Rice	Main meal	Rice	Salad sauce	50
Steak	Main meal	Meat	Tomato Sauce	25
chicken soup	Main meal	chickens	Vegetable salt	15
Pizza	Appetizers	Flour	Cheese olive	15
pasta	Appetizers	Pasta	Cheese Sauce	10
juice	Drinks	fruits	Flour milk	1
Soda	Drinks	sparkling water	Lemon Mint	2
Chocolate cake	Dessert	chocolate	Cream Charry	20
ice cream	Dessert	Milk	Chocolate Colored sugar	2
Cupcake	Dessert	Flour	Cream charry	4





Relationships

Client of Order -> Take 1:N

Delivery representative of Order -> Deliver 1:N Delivery representative of Restaurant -> Work-for 1:N

Restaurant of Food menu -> Contain 1:N

Restaurant of Order -> Has

Client of Restaurants -> Request 1:N

Eskima digram

Order

ID-order	Name	Description	Price	Menu Category
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Client

C-ID	C-Name	Password	Phone-Number	Address
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Restaurant

Restaurant ID	R-Name	R- Address	R-Phone	Price-Level
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Delivery Reprehensive

D-ID	D-Name	D-No	Monthly	Daily	Current-Location
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Food Menu

Category	Ingredients	Price	Dish-Name	F-ID
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Food Additives

Dish-Name	FAdditives
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Part2:

1-SQL definition commands for creating the project database. Commands should include .CREATE. Screenshots needed for commands and results



A screenshot of a MySQL query editor showing SQL code for creating a 'DeliveryRepresentative' table and inserting data into it. The table has columns: DID (primary key), Dname, Dno, daily, monthly, and currentLocation. The output shows 10 rows of data inserted.

```
1 -- create
2 CREATE TABLE DeliveryRepresentative (
3     DID INTEGER PRIMARY KEY,
4     Dname TEXT NOT NULL,
5     Dno INTEGER NOT NULL,
6     daily TEXT NOT NULL ,
7     monthly TEXT NOT NULL ,
8     currentLocation TEXT NOT NULL
9 );
10
11 -- insert
12 INSERT INTO DeliveryRepresentative VALUES (139159, 'sara', 0561991,'good','bad','mecca');
13 INSERT INTO DeliveryRepresentative VALUES (876098, 'seren', 1234567,'bad','good','riyadh');
14 INSERT INTO DeliveryRepresentative VALUES (395519, 'razan', 0595155,'bad','very bad','qunfudhah');
15 INSERT INTO DeliveryRepresentative VALUES (991351, 'amal', 0589936,'good','bad','damman');
16 INSERT INTO DeliveryRepresentative VALUES (999123, 'tah', 1230987,'excellent','bad','tabuk');
17 INSERT INTO DeliveryRepresentative VALUES (089955, 'sara', 4567898,'very good','good','al-baha');
18 INSERT INTO DeliveryRepresentative VALUES (323421, 'reem', 0541184,'excellent','excellent','abha');
19 INSERT INTO DeliveryRepresentative VALUES (982693, 'fatima', 0506771,'excellent','bad','hasa');
20 INSERT INTO DeliveryRepresentative VALUES (412773, 'nejood', 0566343,'good','good','al-baha');
21 INSERT INTO DeliveryRepresentative VALUES (671585, 'abdeyah', 0598197,'bad','good','jazan');
22
23 -- fetch
24 SELECT * FROM DeliveryRepresentative ;
```

DID	Dname	Dno	daily	monthly	currentLocation
9955	sara	4567898	very good	good	al-baha
139159	sara	561991	good	bad	mecca
323421	reem	541184	excellent	excellent	abha
395519	razan	595155	bad	very bad	qunfudhah
412773	nejood	566343	good	good	al-baha
671585	abdeyah	598197	bad	good	jazan
876098	seren	1234567	bad	good	riyadh
982693	fatima	506771	excellent	bad	hasa
991351	amal	569936	good	bad	damman
999123	tah	1230987	excellent	bad	tabuk



A screenshot of a MySQL query editor showing SQL code for creating a 'CLIENT' table and inserting data into it. The table has columns: CID (primary key), Cname, Password, Phonenumber, and Address. The output shows 25 rows of data inserted.

```
1
2 -- create
3 CREATE TABLE CLIENT (
4     CID INTEGER PRIMARY KEY,
5     Cname TEXT NOT NULL,
6     Password TEXT NOT NULL,
7     Phonenumber TEXT NOT NULL ,
8     Address TEXT NOT NULL
9 );
10
11 -- insert
12 INSERT INTO CLIENT VALUES (233, 'Noura', 'No-12', '0501120813', '305-14th Ave S.suite 3B');
13 INSERT INTO CLIENT VALUES (134, 'Mohammed', 'M@24', '0553240321', 'Keskuskatu 45');
14 INSERT INTO CLIENT VALUES (521, 'Sara', 'Sa.123', '0554219332', 'Ul.filtrowa 68');
15 INSERT INTO CLIENT VALUES (332, 'Khaled', 'Kh-81', '0502814567', 'Skagen.21');
16 INSERT INTO CLIENT VALUES (415, 'Amal', 'Am-67', '0550322147', '417-12th Ave S.suite 3B');
17 INSERT INTO CLIENT VALUES (917, 'Abdullah', 'Ab@13', '0505217852', 'Keskuskatu 34');
18 INSERT INTO CLIENT VALUES (823, 'Ghala', 'Gh.141', '0507829434', 'Ul.filtrowa 51');
19 INSERT INTO CLIENT VALUES (417, 'Fahad', 'Fa-910', '0553288701', 'Skagen.31');
20 INSERT INTO CLIENT VALUES (561, 'Fatimah', 'F-A12', '0553274251', '504-16th Ave S.suite 3B');
21 INSERT INTO CLIENT VALUES (243, 'Sultan', 'Su.903', '0550433218', 'Keskuskatu 76');
22
23 -- fetch
24 SELECT * FROM CLIENT;
25 |
```

CID	Cname	Password	Phonenumber	Address
134	Mohammed	M@24	0553240321	Keskuskatu 45
233	Noura	No-12	0501120813	305-14th Ave S.suite 3B
243	Sultan	Su.903	0550433218	Keskuskatu 76
332	Khaled	Kh-81	0502814567	Skagen.21
415	Amal	Am-67	0550322147	417-12th Ave S.suite 3B
417	Fahad	Fa-910	0553288701	Skagen.31
521	Sara	Sa.123	0554219332	Ul.filtrowa 68
561	Fatimah	F-A12	0553274251	504-16th Ave S.suite 3B
823	Ghala	Gh.141	0507829434	Ul.filtrowa 51
917	Abdullah	Ab@13	0505217852	Keskuskatu 34

Orderr

A screenshot of a MySQL query editor window titled "422q6vwb2 - MySQL - OneCompiler". The code in the editor is:

```
1 CREATE TABLE Orderr(
2     ID INTEGER primary key,
3     Name TEXT,
4     Description TEXT,
5     Price TEXT,
6     MenuCategory INTEGER
7 );
8
9 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
10 VALUES
11     (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce', '9.00', 1),
12     (112823774, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special cheese', '15.00', 1),
13     (121820838, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing', '7.00', 5),
14     (283803190, 'Steak', 'Rich and perfectly grilled steak with barbecue sauce', '26.00', 2),
15     (738173020, 'Vegetable Pizza', 'Pizza stuffed with a variety of fresh vegetables and cheese', '17.00', 3),
16     (073127323, 'Salmon Sushi', 'Sushi rolls with fresh salmon, avocado, and soy sauce', '13.00', 5),
17     (236630147, 'Chicken Sandwich', 'Tasty sandwich with grilled chicken, vegetables, and sauce', '11.00', 4),
18     (831838313, 'Quinoa Salad', 'Nutritious salad with quinoa, vegetables, and lemon dressing', '8.00', 4),
19     (162936639, 'Orange Juice', 'Natural orange juice without any additives', '8.00', 4),
20     (813201103, 'Chocolate Dessert', 'Delicious dessert with rich chocolate pieces and creamy texture', '4.00', 3);
21 SELECT * FROM Orderr ;
```

The output window shows the results of the query:

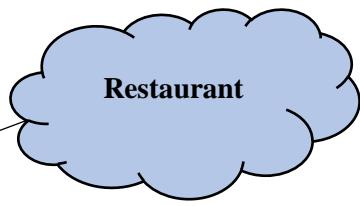
ID	Name	Description
73127323	Salmon Sushi	Sushi rolls with fresh salmon, avocado, and soy sauce
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato sauce, and special cheese
121820838	Arugula Salad	Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing
123456789	Beef Burger	Delicious grilled beef burger with fresh vegetables and sauce
162936639	Orange Juice	Natural orange juice without any additives
236630147	Chicken Sandwich	Tasty sandwich with grilled chicken, vegetables, and sauce
283803190	Steak	Rich and perfectly grilled steak with barbecue sauce
738173020	Vegetable Pizza	Pizza stuffed with a variety of fresh vegetables and cheese
813201103	Chocolate Dessert	Delicious dessert with rich chocolate pieces and creamy texture
831838313	Quinoa Salad	Nutritious salad with quinoa, vegetables, and lemon dressing

A screenshot of a MySQL query editor window titled "422q6vwb2 - MySQL - OneCompiler". The code in the editor is:

```
1
2
3
4
5
6
7
8
9 Description, Price, MenuCategory)
10
11     'Delicious grilled beef burger with fresh vegetables and sauce', '9.00', 1),
12     'Pizza topped with pepperoni, tomato sauce, and special cheese', '15.00', 1),
13     'Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing', '7.00', 5),
14     'Rich and perfectly grilled steak with barbecue sauce', '26.00', 2),
15     'Pizza stuffed with a variety of fresh vegetables and cheese', '17.00', 3),
16     'Sushi rolls with fresh salmon, avocado, and soy sauce', '13.00', 5),
17     'Tasty sandwich with grilled chicken, vegetables, and sauce', '11.00', 4),
18     'Nutritious salad with quinoa, vegetables, and lemon dressing', '8.00', 4),
19     'Natural orange juice without any additives', '8.00', 4),
20     'Delicious dessert with rich chocolate pieces and creamy texture', '4.00', 3);
```

The output window shows the results of the query:

Description	Price	MenuCategory
Delicious grilled beef burger with fresh vegetables and sauce	9.00	1
Pizza topped with pepperoni, tomato sauce, and special cheese	15.00	1
Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing	7.00	5
Rich and perfectly grilled steak with barbecue sauce	26.00	2
Pizza stuffed with a variety of fresh vegetables and cheese	17.00	3
Sushi rolls with fresh salmon, avocado, and soy sauce	13.00	5
Tasty sandwich with grilled chicken, vegetables, and sauce	11.00	4
Nutritious salad with quinoa, vegetables, and lemon dressing	8.00	4
Natural orange juice without any additives	8.00	4
Delicious dessert with rich chocolate pieces and creamy texture	4.00	3



STDIN
Input for the program (Optional)

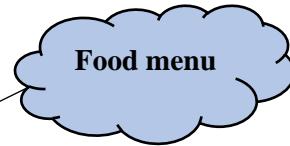
Output:

```

1  -- create
2  CREATE TABLE RESTAURANT(
3      RestaurantId INTEGER PRIMARY KEY,
4      Rname TEXT NOT NULL,
5      Raddress TEXT NOT NULL,
6      Rphone INTEGER NOT NULL,
7      Pricelevel TEXT NOT NULL
8  );
9
10 -- insert
11 INSERT INTO RESTAURANT VALUES ('0003456', 'Kudu', 'Makkah', 92003670, 'Middle');
12 INSERT INTO RESTAURANT VALUES ('43566789', 'McDonald', 'Jeddah', 920005200, 'High');
13 INSERT INTO RESTAURANT VALUES ('23456718', 'Albaik', 'Al Qunfidaah', 920025125, 'Middle');
14 INSERT INTO RESTAURANT VALUES ('70034567', 'KFC', 'Jeddah', '92003306', 'High');
15 INSERT INTO RESTAURANT VALUES ('60080769', 'Piza hut', 'Jeddah', '920000133', 'High');
16 INSERT INTO RESTAURANT VALUES ('40905667', 'Subway', 'Al Qunfidaah', 920002233, 'High');
17 INSERT INTO RESTAURANT VALUES ('55679237', 'Dominos Pizza', 'Al Qunfidaah', 920004546, 'Middle');
18 INSERT INTO RESTAURANT VALUES ('55679237', 'In Hungry', 'Abha', 920033445, 'Middle');
19 INSERT INTO RESTAURANT VALUES ('45670891', 'Herfy', 'Abha', 920023467, 'Middle');
20 INSERT INTO RESTAURANT VALUES ('45578999', 'Burger King', 'Makkan', 920000638, 'High');
21
22 -- fetch
23 SELECT * FROM RESTAURANT;
24
25

```

RestaurantId	Rname	Raddress	Rphone	PriceLevel
3456	Kudu	Makkah	92003670	Middle
23456718	Albaik	Al Qunfidaah	920025125	Middle
40905667	Subway	Al Qunfidaah	920002233	High
43566789	McDonald	Jeddah	920006200	High
45578999	Burger King	Makkah	920000638	High
45678991	Herfy	Abha	920023467	Middle
55679237	Im Hungry	Abha	920033445	Middle
60080769	Piza hut	Jeddah	920000133	High
60708890	Dominos Pizza	Al Qunfidaah	920004546	Middle
70034567	KFC	Jeddah	92003306	High



queries.sql 422sryjxe

STDIN
Input for the program (Optional)

Output:

```

1  CREATE TABLE Foodmenu (
2      DishName VARCHAR(40) PRIMARY KEY,
3      Category TEXT NOT NULL,
4      ingredients TEXT NOT NULL,
5      Additive TEXT NOT NULL,
6      Price INTEGER NOT NULL
7  );
8
9  INSERT INTO Foodmenu VALUES ('Rice', 'Main meal', 'Rice', 'Salad,sauce', 50);
10 INSERT INTO Foodmenu VALUES ('Steak', 'Main meal', 'Meat', 'Tomato,Sauce', 25);
11 INSERT INTO Foodmenu VALUES ('chicken soup', 'Main meal', 'chickens', 'Vegetable,salt', 15);
12 INSERT INTO Foodmenu VALUES ('Pizza', 'Appetizers', 'Flour', 'Cheese,olive', 15);
13 INSERT INTO Foodmenu VALUES ('pasta', 'Appetizers', 'Pasta', 'Cheese,Sauce', 10);
14 INSERT INTO Foodmenu VALUES ('juice', 'Drinks', 'fruits', 'Flour,milk', 1);
15 INSERT INTO Foodmenu VALUES ('Soda', 'Drinks', 'sparkling water', 'Lemon,Mint', 2);
16 INSERT INTO Foodmenu VALUES ('Chocolate cake', 'Dessert', 'chocolate', 'Cream,Charry', 20);
17 INSERT INTO Foodmenu VALUES ('ice cream', 'Dessert', 'Milk', 'Chocolate,Colored sugar', 2);
18 INSERT INTO Foodmenu VALUES ('Cupcake', 'Dessert', 'Flour', 'Cream,charry', 4);
19 SELECT*FROM Foodmenu;
20
21
22
23
24
25
26
27
28
29
30
31
32

```

Name	Category	ingredients	Additive	Price
Rice soup	Main meal	chickens	Vegetable,salt	15
Steak cake	Dessert	chocolate	Cream,Charry	20
Pizza	Dessert	Flour	Cream,Charry	4
pasta team	Dessert	Milk	Chocolate,Colored sugar	2
juice	Drinks	fruits	Flour,milk	1
Soda	Appetizers	Pasta	Cheese,Sauce	10
Chocolate cake	Drinks	Flour	Cheese,olive	15
ice cream	Main meal	Rice	Salad,sauce	50
Cupcake	Drinks	sparkling water	Lemon,Mint	2
Cupcake	Main meal	Meat	Tomato,Sauce	25

2-SQL manipulation commands on the project database that was used to insert data. Screenshots needed for commands and results

queries.sql

```

1 CREATE TABLE Foodmenu (
2   DishName VARCHAR(40) PRIMARY KEY,
3   Category TEXT NOT NULL,
4   ingredients TEXT NOT NULL,
5   Additive TEXT NOT NULL,
6   Price INTEGER NOT NULL
7 );
8
9 INSERT INTO Foodmenu VALUES ('Rice', 'Main meal', 'Rice','Salad,sauce',50);
10 INSERT INTO Foodmenu VALUES ('Steak','Main meal','Meat','Tomato,Sauce',25);
11 INSERT INTO Foodmenu VALUES('chicken soup','Main meal','chickens','Vegetable,salt',15);
12 INSERT INTO Foodmenu VALUES('Pizza','Appetizers','Flour','Cheese,olive',15);
13 INSERT INTO Foodmenu VALUES('pasta','Appetizers','Pasta','Cheese,Sauce',10);
14 INSERT INTO Foodmenu VALUES('juice','Drinks','fruits','Flour,milk',1);
15 INSERT INTO Foodmenu VALUES ('Soda','Drinks','sparkling water','Lemon,Mint',2);
16 INSERT INTO Foodmenu VALUES ('Chocolate cake ','Dessert','chocolate','Cream,Cherry',20);
17 INSERT INTO Foodmenu VALUES ('ice cream','Dessert','Milk','Chocolate,Colored sugar',2);
18 INSERT INTO Foodmenu VALUES ('Cupcake','Dessert','Flour','Cream,Cherry',4);
19 SELECT*FROM Foodmenu;
20
21 CREATE TABLE Orderr(
22   ID INTEGER primary key,
23   Name TEXT,
24   Description TEXT,
25   Price TEXT,
26   MenuCategory INTEGER
27 );
28
29 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
30 VALUES
31   (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce
32   (112823774, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special ch
33   (121820838, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
34   (283803190. 'Steak'. 'Rich and perfectly grilled steak with barbecue sauce'. '99.00'. 2),
35

```

422ht7sn

STDIN

Input for the program (Optional)

Output:

DishName	Category	ingredients	Additive
chicken soup	Main meal	chickens	Vegetable,salt
Chocolate cake	Dessert	chocolate	Cream,Cherry
Cupcake	Dessert	Flour	Cream,Cherry
ice cream	Dessert	Milk	Chocolate,Colored
juice	Drinks	fruits	Flour,milk
pasta	Appetizers	Pasta	Cheese,Sauce
Pizza	Appetizers	Flour	Cheese,olive
Rice	Main meal	Rice	Salad,sauce
Soda	Drinks	sparkling water	Lemon,Mint
Steak	Main meal	Meat	Tomato,Sauce

ID	Name	Description
73127323	Salmon Sushi	Sushi rolls with fresh salmon, avocado
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato
121820838	Arugula Salad	Refreshing salad with fresh arugula
123456789	Beef Burger	Delicious grilled beef burger with

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queries.sql

```

1 CREATE TABLE Foodmenu (
2   DishName VARCHAR(40) PRIMARY KEY,
3   Category TEXT NOT NULL,
4   ingredients TEXT NOT NULL,
5   Additive TEXT NOT NULL,
6   Price INTEGER NOT NULL
7 );
8
9 INSERT INTO Foodmenu VALUES ('Rice', 'Main meal', 'Rice','Salad,sauce',50);
10 INSERT INTO Foodmenu VALUES ('Steak','Main meal','Meat','Tomato,Sauce',25);
11 INSERT INTO Foodmenu VALUES('chicken soup','Main meal','chickens','Vegetable,salt',15);
12 INSERT INTO Foodmenu VALUES('Pizza','Appetizers','Flour','Cheese,olive',15);
13 INSERT INTO Foodmenu VALUES('pasta','Appetizers','Pasta','Cheese,Sauce',10);
14 INSERT INTO Foodmenu VALUES('juice','Drinks','fruits','Flour,milk',1);
15 INSERT INTO Foodmenu VALUES ('Soda','Drinks','sparkling water','Lemon,Mint',2);
16 INSERT INTO Foodmenu VALUES ('Chocolate cake ','Dessert','chocolate','Cream,Cherry',20);
17 INSERT INTO Foodmenu VALUES ('ice cream','Dessert','Milk','Chocolate,Colored sugar',2);
18 INSERT INTO Foodmenu VALUES ('Cupcake','Dessert','Flour','Cream,Cherry',4);
19 SELECT*FROM Foodmenu;
20
21 CREATE TABLE Orderr(
22   ID INTEGER primary key,
23   Name TEXT,
24   Description TEXT,
25   Price TEXT,
26   MenuCategory INTEGER
27 );
28
29 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
30 VALUES
31   (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce
32   (112823774, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special ch
33   (121820838, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
34   (283803190. 'Steak'. 'Rich and perfectly grilled steak with barbecue sauce'. '99.00'. 2),
35

```

422ht7sn

STDIN

Input for the program (Optional)

Output:

redients	Additive	Price
chicken	Vegetable,salt	15
plate	Cream,Cherry	20
^	Cream,Cherry	4
ts	Chocolate,Colored sugar	2
^	Flour,milk	1
^	Cheese,Sauce	10
^	Cheese,olive	15
^	Salad,sauce	50
eling water	Lemon,Mint	2
^	Tomato,Sauce	25

Description
sushi rolls with fresh salmon, avocado, and soy sauce
pizza topped with pepperoni, tomato sauce, and special cheese
refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing
delicious grilled beef burger with fresh vegetables and sauce

اكتب هنا للبحث

queries.sql

```

20
21 CREATE TABLE Orderr(
22     ID INTEGER primary key,
23     Name TEXT,
24     Description TEXT,
25     Price TEXT,
26     MenuCategory INTEGER
27 );
28
29 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
30 VALUES
31     ('123456789', 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce',
32     ('112823774', 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special cheese',
33     ('121820838', 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
34     ('283803198', 'Steak', 'Rich and perfectly grilled steak with barbecue sauce', '99.00', 2),
35     ('738173020', 'Vegetable Pizza', 'Pizza stuffed with a variety of fresh vegetables and cheese',
36     ('073127323', 'Salmon Sushi', 'Sushi rolls with fresh salmon, avocado, and soy sauce', '26.00',
37     ('236630147', 'Chicken Sandwich', 'Tasty sandwich with grilled chicken, vegetables, and cheese',
38     ('831838313', 'Quinoa Salad', 'Nutritious salad with quinoa, vegetables, and lemon dressing',
39     ('162936639', 'Orange Juice', 'Natural orange juice without any additives', '8.00', 4),
40     ('813201103', 'Chocolate Dessert', 'Delicious dessert with rich chocolate pieces and creamy
41     SELECT * FROM Orderr ;
42
43
44 CREATE TABLE RESTAURANT(
45     RestaurantId INTEGER PRIMARY KEY,
46     Rname TEXT NOT NULL,
47     Raddress TEXT NOT NULL,
48     Rphone INTEGER NOT NULL,
49     PriceLevel TEXT NOT NULL
50 );
51
52 -- insert
53 INSERT INTO RESTAURANT VALUES (0003456, 'Kudu', 'Makkah', 92003670, 'Middle');
54 INSERT INTO RESTAURANT VALUES (43566788, 'McDonald', 'Jeddah', 920006200, 'High');
55

```

422tht7sn

onecompiler.com/mysql/422tht7sn

STDIN

Input for the program (Optional)

ID	Name	Description
73127323	Salmon Sushi	Sushi rolls with fresh salmon, avocado, and soy sauce
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato sauce, and special cheese
121820838	Arugula Salad	Refreshing salad with fresh arugula, walnuts, feta cheese, and lemon dressing
123456789	Beef Burger	Delicious grilled beef burger with barbecue sauce
162936639	Orange Juice	Natural orange juice without any additives
236630147	Chicken Sandwich	Tasty sandwich with grilled chicken, vegetables, and cheese
283803198	Steak	Rich and perfectly grilled steak with barbecue sauce
738173020	Vegetable Pizza	Pizza stuffed with a variety of fresh vegetables and cheese
813201103	Chocolate Dessert	Delicious dessert with rich chocolate pieces and creamy texture
831838313	Quinoa Salad	Nutritious salad with quinoa, vegetables, and lemon dressing

RestaurantId	Rname	Raddress	Rphone	PriceLevel
3456	Kudu	Makkah	92003670	Middle
23456718	Albaik	Al Qunfudiah	920025125	Middle
40905667	Subway	Al Qunfudiah	920002233	High
43566780	McDonald	Jeddah	920006200	High
45578999	Burger king	Makkah	92000638	High
45678991	Herfy	Abha	920023467	Middle

queries.sql

```

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```

422tht7sn

onecompiler.com/mysql/422tht7sn

STDIN

Input for the program (Optional)

Price	MenuCategory
26.00	5
15.00	1
9.00	5
7.00	1
8.00	4
11.00	4
99.00	2
17.00	3
4.00	3
13.00	2

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queries.sql

```

42
43     CREATE TABLE RESTAURANT(
44         RestaurantId INTEGER PRIMARY KEY,
45         Rname TEXT NOT NULL,
46         Raddress TEXT NOT NULL,
47         Rphone INTEGER NOT NULL,
48         PriceLevel TEXT NOT NULL
49    );
50
51     -- insert
52     INSERT INTO RESTAURANT VALUES (0003456, 'Kudu', 'Makkah', 92003670, 'Middle');
53     INSERT INTO RESTAURANT VALUES (43566780, 'McDonald', 'Jeddah', 920006200, 'High');
54     INSERT INTO RESTAURANT VALUES (23456718, 'Albaik', 'Al Qunfida', 920025125, 'Middle');
55     INSERT INTO RESTAURANT VALUES (70034567, 'KFC', 'Jeddah', 92003386, 'High');
56     INSERT INTO RESTAURANT VALUES (60008769, 'Pizza hut', 'Jeddah', 920000133, 'High');
57     INSERT INTO RESTAURANT VALUES (40095667, 'Subway', 'Al Qunfida', 920002233, 'High');
58     INSERT INTO RESTAURANT VALUES (60708890, 'Dominos Pizza', 'Al Qunfida', 920004546, 'Middle');
59     INSERT INTO RESTAURANT VALUES (55679237, 'Im Hungry', 'Abha', 920033445, 'Middle');
60     INSERT INTO RESTAURANT VALUES (45678991, 'Herfy', 'Abha', 920023467, 'Middle');
61     INSERT INTO RESTAURANT VALUES (45578999, 'Burger King', 'Makkah', 920000638, 'High');
62
63     -- fetch
64     SELECT * FROM RESTAURANT;
65
66     -- create
67     CREATE TABLE CLIENT (
68         CID INTEGER PRIMARY KEY,
69         Cname TEXT NOT NULL,
70         Password TEXT NOT NULL,
71         Phonenumber TEXT NOT NULL ,
72         Address TEXT NOT NULL
73    );
74
75     -- insert
76

```

42tht7sn

STDIN

Input for the program (Optional)

RestaurantId	Rname	Raddress	Rphone	PriceLevel
3456	Kudu	Makkah	92003670	Middle
23456718	Albaik	Al Qunfida	920025125	Middle
40905667	Subway	Al Qunfida	920002233	High
43566780	McDonald	Jeddah	920006200	High
45578999	Burger king	Makkah	920000638	High
45678991	Herfy	Abha	920023467	Middle
55679237	Im Hungry	Abha	920033445	Middle
60008769	Pizza hut	Jeddah	920000133	High
60708890	Dominos Pizza	Al Qunfida	920004546	Middle
70034567	KFC	Jeddah	920003360	High

CID	Cname	Password	Phonenumber	Address
134	Mohammed	@24	0553240321	Keskuskatu 45
233	Noura	No-12	0501120813	305-14th Ave S.suite 3B
243	Sultan	Su.903	0550433218	Keskuskatu 76
332	Khaled	Kh-81	0502814567	Skagen.21
415	Amal	Am-67	0550322147	417-12th Ave S.suite 3B
417	Fahad	Fa-910	0553288701	Skagen.31

queries.sql

```

62
63     -- create
64     CREATE TABLE CLIENT (
65         CID INTEGER PRIMARY KEY,
66         Cname TEXT NOT NULL,
67         Password TEXT NOT NULL ,
68         Phonenumber TEXT NOT NULL ,
69         Address TEXT NOT NULL
70    );
71
72     -- insert
73     INSERT INTO CLIENT VALUES (233, 'Noura', 'No-12', '0501120813', '305-14th Ave S.suite 3B');
74     INSERT INTO CLIENT VALUES (134, 'Mohammed', '@24', '0553240321', 'Keskuskatu 45');
75     INSERT INTO CLIENT VALUES (521, 'Sara', 'Sa.123', '0554219332', 'Ul.filtrowa 68');
76     INSERT INTO CLIENT VALUES (332, 'Khaled', 'Kh-81', '0502814567', 'Skagen.21');
77     INSERT INTO CLIENT VALUES (415, 'Amal', 'Am-67', '0550322147', '417-12th Ave S.suite 3B');
78     INSERT INTO CLIENT VALUES (417, 'Fahad', 'Fa-910', '0553288701', 'Skagen.31');
79     INSERT INTO CLIENT VALUES (823, 'Ghala', 'Gh.141', '0507829434', 'Ul.filtrowa 51');
80     INSERT INTO CLIENT VALUES (561, 'Fatimah', 'F-A12', '0553274251', '504-16th Ave S.suite 3B');
81     INSERT INTO CLIENT VALUES (243, 'Sultan', 'Su.903', '0550433218', 'Keskuskatu 76');
82
83     -- fetch
84     SELECT * FROM CLIENT;
85
86     -- create
87     CREATE TABLE DeliveryRepresentative (
88         DID INTEGER PRIMARY KEY,
89         Dname TEXT NOT NULL,
90         Dno INTEGER NOT NULL,
91         daily TEXT NOT NULL ,
92         monthly TEXT NOT NULL ,
93         currentLocation TEXT NOT NULL
94    );
95

```

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STDIN

Input for the program (Optional)

CID	Cname	Password	Phonenumber	Address
134	Mohammed	@24	0553240321	Keskuskatu 45
233	Noura	No-12	0501120813	305-14th Ave S.suite 3B
243	Sultan	Su.903	0550433218	Keskuskatu 76
332	Khaled	Kh-81	0502814567	Skagen.21
415	Amal	Am-67	0550322147	417-12th Ave S.suite 3B
417	Fahad	Fa-910	0553288701	Skagen.31
521	Sara	Sa.123	0554219332	Ul.filtrowa 68
561	Fatimah	F-A12	0553274251	504-16th Ave S.suite 3B
823	Ghala	Gh.141	0507829434	Ul.filtrowa 51
917	Abdullah	Ab@13	0550217852	Keskuskatu 34

DID	Dname	Dno	daily	monthly	currentLocation
9955	sara	4567890	very good	good	al-baha
139159	sara	561991	good	bad	mecca
323421	reem	541184	excellent	excellent	abha
395519	raza	595155	bad	very bad	qunfudhah
412773	nejood	566343	good	good	al-baha
671585	abdevah	598197	bad	good	iazar

queries.sql

```

80 INSERT INTO CLIENT VALUES (415, 'Amal', 'Am-67','0550322147','417-12th Ave S.suite 3B');
81 INSERT INTO CLIENT VALUES (917, 'Abdullah', 'Ab@13','0505217852','Keskuskatu 34');
82 INSERT INTO CLIENT VALUES (823, 'Ghala', 'Gh.141','0507829434','Ul.filtrowa 51');
83 INSERT INTO CLIENT VALUES (417, 'Fahad', 'Fa-910','0553288701','Skagen.31');
84 INSERT INTO CLIENT VALUES (561, 'Fatimah', 'F-A12','0553274251','504-16th Ave S.suite 3B');
85 INSERT INTO CLIENT VALUES (243, 'Sultan', 'Su.903','0550433218','Keskuskatu 76');
86
87 -- fetch
88 SELECT * FROM CLIENT;
89
90 -- create
91 CREATE TABLE DeliveryRepresentative (
92     DID INTEGER PRIMARY KEY,
93     Dname TEXT NOT NULL,
94     Dno TEXT NOT NULL,
95     daily TEXT NOT NULL ,
96     monthly TEXT NOT NULL ,
97     currentlocation TEXT NOT NULL
98 );
99
100 -- insert
101 INSERT INTO DeliveryRepresentative VALUES (139159, 'sara', 0561991,'good','bad','mecca');
102 INSERT INTO DeliveryRepresentative VALUES (876098, 'seren', 1234567,'bad','good','riyadh');
103 INSERT INTO DeliveryRepresentative VALUES (395519, 'razan', 0595155,'bad','very bad','qunfudhah');
104 INSERT INTO DeliveryRepresentative VALUES (991351, 'amal', 0509936,'good','bad','damman');
105 INSERT INTO DeliveryRepresentative VALUES (999123, 'tahl', 1230987,'excellent','bad','tabuk');
106 INSERT INTO DeliveryRepresentative VALUES (800955, 'sara', 4567890,'very good','good','al-baha');
107 INSERT INTO DeliveryRepresentative VALUES (323421, 'reem', 0541184,'excellent','excellent','ab');
108 INSERT INTO DeliveryRepresentative VALUES (982693, 'fatima', 0506771,'excellent','bad','hasa');
109 INSERT INTO DeliveryRepresentative VALUES (412773, 'nejood', 0566343,'good','good','al-baha');
110 INSERT INTO DeliveryRepresentative VALUES (671585, 'abdeyah', 0598197,'bad','good','jazan');
111
112 -- fetch
113 SELECT * FROM DeliveryRepresentative ;

```

422th7sn

STDIN

Input for the program (Optional)

	Sultan	SU.903	0550433218	Keskuskatu 76
243	Khaled	Kh-81	0502814567	Skagen.21
332	Amal	Am-67	0550322147	417-12th Ave S.suite 3B
415	Fahad	Fa-910	0553288701	Skagen.31
521	Sara	Sa.123	0554219332	Ul.filtrowa 68
561	Fatimah	F-A12	0553274251	504-16th Ave S.suite 3B
823	Ghala	Gh.141	0507829434	Ul.filtrowa 51
917	Abdullah	Ab@13	0505217852	Keskuskatu 34
9955	sara	4567890	very good	good
139159	sara	561991	good	bad
323421	reem	541184	excellent	excellent
395519	razan	595155	bad	very bad
412773	nejood	566343	good	good
671585	abdeyah	598197	bad	good
876098	seren	1234567	bad	good
982693	fatima	506771	excellent	bad
991351	amal	509936	good	bad
999123	tahl	1230987	excellent	bad

queries.sql

```

80 Amal', 'Am-67','0550322147','417-12th Ave S.suite 3B';
81 Abdullah', 'Ab@13','0505217852','Keskuskatu 34';
82 Ghala', 'Gh.141','0507829434','Ul.filtrowa 51';
83 Fahad', 'Fa-910','0553288701','Skagen.31';
84 Fatimah', 'F-A12','0553274251','504-16th Ave S.suite 3B';
85 Sultan', 'Su.903','0550433218','Keskuskatu 76';
86
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100 e VALUES (139159, 'sara', 0561991,'good','bad','mecca');
101 e VALUES (876098, 'seren', 1234567,'bad','good','riyadh');
102 e VALUES (395519, 'razan', 0595155,'bad','very bad','qunfudhah');
103 e VALUES (991351, 'amal', 0509936,'good','bad','damman');
104 e VALUES (999123, 'tahl', 1230987,'excellent','bad','tabuk');
105 e VALUES (800955, 'sara', 4567890,'very good','good','al-baha');
106 e VALUES (323421, 'reem', 0541184,'excellent','excellent','ab');
107 e VALUES (982693, 'fatima', 0506771,'excellent','bad','hasa');
108 e VALUES (412773, 'nejood', 0566343,'good','good','al-baha');
109 e VALUES (671585, 'abdeyah', 0598197,'bad','good','jazan');
110
111
112 five ;

```

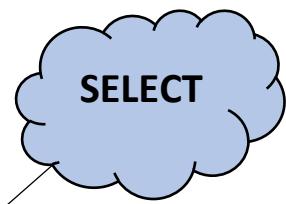
422th7sn

STDIN

Input for the program (Optional)

	Sultan	SU.903	0550433218	Keskuskatu 76
243	Khaled	Kh-81	0502814567	Skagen.21
332	Amal	Am-67	0550322147	417-12th Ave S.suite 3B
415	Fahad	Fa-910	0553288701	Skagen.31
521	Sara	Sa.123	0554219332	Ul.filtrowa 68
561	Fatimah	F-A12	0553274251	504-16th Ave S.suite 3B
823	Ghala	Gh.141	0507829434	Ul.filtrowa 51
917	Abdullah	Ab@13	0505217852	Keskuskatu 34
9955	sara	4567890	very good	good
139159	sara	561991	good	bad
323421	reem	541184	excellent	excellent
395519	razan	595155	bad	very bad
412773	nejood	566343	good	good
671585	abdeyah	598197	bad	good
876098	seren	1234567	bad	good
982693	fatima	506771	excellent	bad
991351	amal	509936	good	bad
999123	tahl	1230987	excellent	bad

3-SQL COMPLEX querying on project database. Minimum of one for each student combine more than one table, commands like SELECT, JOIN, GROUP BY, ORDER BY, COUNT,... etc. Screenshots needed for commands and results



Screenshot of a MySQL query editor showing a complex SQL script named 'queries.sql'. The script creates tables for Foodmenu and Orderr, inserts data into them, and then performs a SELECT query on the Foodmenu table. The output shows a list of dishes with their categories.

```

1 CREATE TABLE Foodmenu (
2   DishName VARCHAR(40) PRIMARY KEY,
3   Category TEXT NOT NULL,
4   ingredients TEXT NOT NULL,
5   Additive TEXT NOT NULL,
6   Price INTEGER NOT NULL
7 );
8
9 INSERT INTO Foodmenu VALUES ('Rice', 'Main meal', 'Rice', 'sauce', 50);
10 INSERT INTO Foodmenu VALUES ('Steak', 'Main meal', 'Meat', 'Tomato,Sauce', 25);
11 INSERT INTO Foodmenu VALUES ('chicken soup', 'Main meal', 'chickens', 'Vegetable,salt', 15);
12 INSERT INTO Foodmenu VALUES ('Pizza', 'Appetizers', 'Flour', 'Cheese,olive', 15);
13 INSERT INTO Foodmenu VALUES ('pasta', 'Appetizers', 'Pasta', 'Cheese,Sauce', 10);
14 INSERT INTO Foodmenu VALUES ('juice', 'Drinks', 'fruit', 'Flour,milk', 1);
15 INSERT INTO Foodmenu VALUES ('Soda', 'Drinks', 'sparkling water', 'Lemon,Mint', 2);
16 INSERT INTO Foodmenu VALUES ('Chocolate cake', 'Dessert', 'chocolate', 'Cream,Cherry', 20);
17 INSERT INTO Foodmenu VALUES ('Ice cream', 'Dessert', 'Milk', 'Chocolate,Colored sugar', 2);
18 INSERT INTO Foodmenu VALUES ('Cupcake', 'Dessert', 'Flour', 'Cream,Cherry', 4);
19 SELECT DishName,Category FROM Foodmenu;
20 SELECT*FROM Foodmenu;
21
22 CREATE TABLE Orderr(
23   ID INTEGER primary key,
24   Name TEXT,
25   Description TEXT,
26   Price TEXT,
27   MenuCategory INTEGER
28 );
29
30 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
31 VALUES
32   (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce',
33   (121823774, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special ch
34   (121820838, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
35   (123456789, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
36
37
38
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```

Output:

DishName	Category
chicken soup	Main meal
Chocolate cake	Dessert
Cupcake	Dessert
ice cream	Dessert
juice	Drinks
pasta	Appetizers
Pizza	Appetizers
Rice	Main meal
Soda	Drinks
Steak	Main meal

DishName	Category	ingredients	Additive
chicken soup	Main meal	chickens	Vegetable,salt
Chocolate cake	Dessert	chocolate	Cream,Cherry
Cupcake	Dessert	Flour	Cream,Cherry
ice cream	Dessert	Milk	Chocolate,Colored

Screenshot of a MySQL query editor showing a complex SQL script named 'queries.sql'. The script creates tables for Foodmenu, Orderr, and RESTAURANT, inserts data into them, and then performs a SELECT query on the Orderr table. The output shows a list of orders with their details.

```

10 INSERT INTO Foodmenu VALUES ('Chocolate cake', 'Dessert', 'Chocolate', 'Cream,Cherry', 20);
11 INSERT INTO Foodmenu VALUES ('Ice cream', 'Dessert', 'Milk', 'Chocolate,Colored sugar', 2);
12 INSERT INTO Foodmenu VALUES ('Cupcake', 'Dessert', 'Flour', 'Cream,Cherry', 4);
13 SELECT DishName,Category FROM Foodmenu;
14 SELECT*FROM Foodmenu;
15
16
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```

Output:

Steak	Main meal	Meat	Tomato,Sauce
73127323	Salmon Sushi		
112820838	Pepperoni Pizza		
123456789	Arugula Salad		
123456789	Beef Burger		
162936639	Orange Juice		
236630147	Chicken Sandwich		
283803190	Steak		
738173020	Vegetable Pizza		
813201103	Chocolate Dessert		
8318386313	Quinoa Salad		

ID	Name	Description
73127323	Salmon Sushi	Sushi rolls with fresh salmon, avoc
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato
121820838	Arugula Salad	Refreshing salad with fresh arugula
123456789	Beef Burger	Delicious grilled beef burger with

JOIN

Screenshot of a MySQL query editor showing a JOIN operation:

```

22 CREATE TABLE Orderr(
23     ID INTEGER primary key,
24     Name TEXT,
25     Description TEXT,
26     Price TEXT,
27     MenuCategory INTEGER
28 );
29
30 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
31 VALUES
32     (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce',
33     (121820838, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special ch
34     (121820838, 'Arugula Salad', 'Refreshing salad with fresh arugula, walnuts, feta cheese,
35     (283803198, 'Steak', 'Rich and perfectly grilled steak with barbecue sauce', '99.00', 2),
36     (738173020, 'Vegetable Pizza', 'Pizza stuffed with a variety of fresh vegetables and chee
37     (873127323, 'Salmon Sushi', 'Sushi rolls with fresh salmon, avocado, and soy sauce', '26.
38     (236630147, 'Chicken Sandwich', 'Tasty sandwich with grilled chicken, vegetables, and sau
39     (831838313, 'Quinoa Salad', 'Nutritious salad with quinoa, vegetables, and lemon dressing
40     (162936639, 'Orange Juice', 'Natural orange juice without any additives', '8.00', 4),
41     (813201103, 'Chocolate Dessert', 'Delicious dessert with rich chocolate pieces and creamy
42     SELECT ID,Name FROM Orderr;
43     SELECT Foodmenu.DishName,Orderr.Name,Foodmenu.ingredients FROM Foodmenu inner join
44     Orderr ON Foodmenu.Price=Orderr.Price;
45     SELECT * FROM Orderr ;
46
47 CREATE TABLE RESTAURANT(
48     RestaurantId INTEGER PRIMARY KEY,
49     Rname TEXT NOT NULL,
50     Raddress TEXT NOT NULL,
51     Rphone INTEGER NOT NULL,
52     Pricelevel TEXT NOT NULL
53 );
54
55

```

The highlighted part of the code is:

```

SELECT Foodmenu.DishName,Orderr.Name,Foodmenu.ingredients FROM Foodmenu inner join
Orderr ON Foodmenu.Price=Orderr.Price;

```

The resulting output shows joined data from both tables:

DishName	Name	ingredients
Pizza	Pepperoni Pizza	Flour
	Pepperoni Pizza	chickens
Cupcake	Chocolate Dessert	Flour

ID	Name	Description
73127323	Salmon Sushi	Sushi rolls with fresh salmon, avoc
112823774	Pepperoni Pizza	Pizza topped with pepperoni, tomato
121820838	Arugula Salad	Refreshing salad with fresh arugula
123456789	Beef Burger	Delicious grilled beef burger with fr

GROUP BY

Screenshot of a MySQL query editor showing a GROUP BY statement:

```

1 CREATE TABLE Foodmenu (
2     DishName VARCHAR(40) PRIMARY KEY,
3     Category TEXT NOT NULL,
4     ingredients TEXT NOT NULL,
5     Additive TEXT NOT NULL,
6     Price INTEGER NOT NULL
7 );
8
9 INSERT INTO Foodmenu VALUES ('Rice', 'Main meal', 'Rice','Salad,sauce',50);
10 INSERT INTO Foodmenu VALUES ('Steak','Main meal','Meat','Tomato,Sauce',25);
11 INSERT INTO Foodmenu VALUES('Chicken soup','Main meal','Chickens','Vegetable,salt',15);
12 INSERT INTO Foodmenu VALUES('Pizza','Appetizers','Flour','Cheese,olive',15);
13 INSERT INTO Foodmenu VALUES('Pasta','Dessert','Flour','Cheese,Sauce',10);
14 INSERT INTO Foodmenu VALUES('Soda','Drinks','Fruit,Juice',10);
15 INSERT INTO Foodmenu VALUES ('Soda','Drinks','Sparkling water','Lemon,Mint',2);
16 INSERT INTO Foodmenu VALUES ('Chocolate cake','Dessert','chocolate','Cream,Cherry',20);
17 INSERT INTO Foodmenu VALUES ('Ice cream ','Dessert','Milk','Chocolate,colored sugar',2);
18 INSERT INTO Foodmenu VALUES ('Cupcake','Dessert','Flour','Cream,charry',4);
19 SELECT DishName,Category FROM Foodmenu;
20 SELECT Price FROM Foodmenu group by Pri
21 SELECT*FROM Foodmenu;
22
23 CREATE TABLE Orderr(
24     ID INTEGER primary key,
25     Name TEXT,
26     Description TEXT,
27     Price TEXT,
28     MenuCategory INTEGER
29 );
30
31 INSERT INTO Orderr (ID, Name, Description, Price, MenuCategory)
32 VALUES
33     (123456789, 'Beef Burger', 'Delicious grilled beef burger with fresh vegetables and sauce
34     (112823774, 'Pepperoni Pizza', 'Pizza topped with pepperoni, tomato sauce, and special ch
35

```

The highlighted part of the code is:

```

SELECT Price FROM Foodmenu group by Pri

```

The resulting output shows grouped data from the Foodmenu table:

Price
15
20
4
2
1
10
50
25

DishName	Category	ingredients	Additive
chicken soup	Main meal	chickens	Vegetable,salt
Chocolate cake	Dessert	chocolate	Cream,Cherry
Cupcake	Dessert	Flour	Cream,charry

COUNT

A screenshot of a MySQL query editor titled "422tht7sn". The code in the editor is:

```
SELECT COUNT(Rname) AS 'total users' FROM RESTAURANT;
```

The output shows the count of restaurant names:

	total users
	10

Below this, the full table data for RESTAURANT is shown:

RestaurantID	Rname	Address	Rphone	PriceLevel
3456	Kudu	Makkah	92003670	Middle
23456718	Albaik	Al Qunfidhah	920025125	Middle
40905667	Subway	Al Qunfidhah	920002233	High
43566780	McDonald	Jeddah	920006200	High
45578999	Burger king	Makkah	92000638	High
45678993	Herfy	Abha	920023467	Middle
55679237	Im Hungry	Abha	920033445	Middle
60080769	Pizza hut	Jeddah	920000133	High
60708899	Dominos Pizza	Al Qunfidhah	920004546	Middle

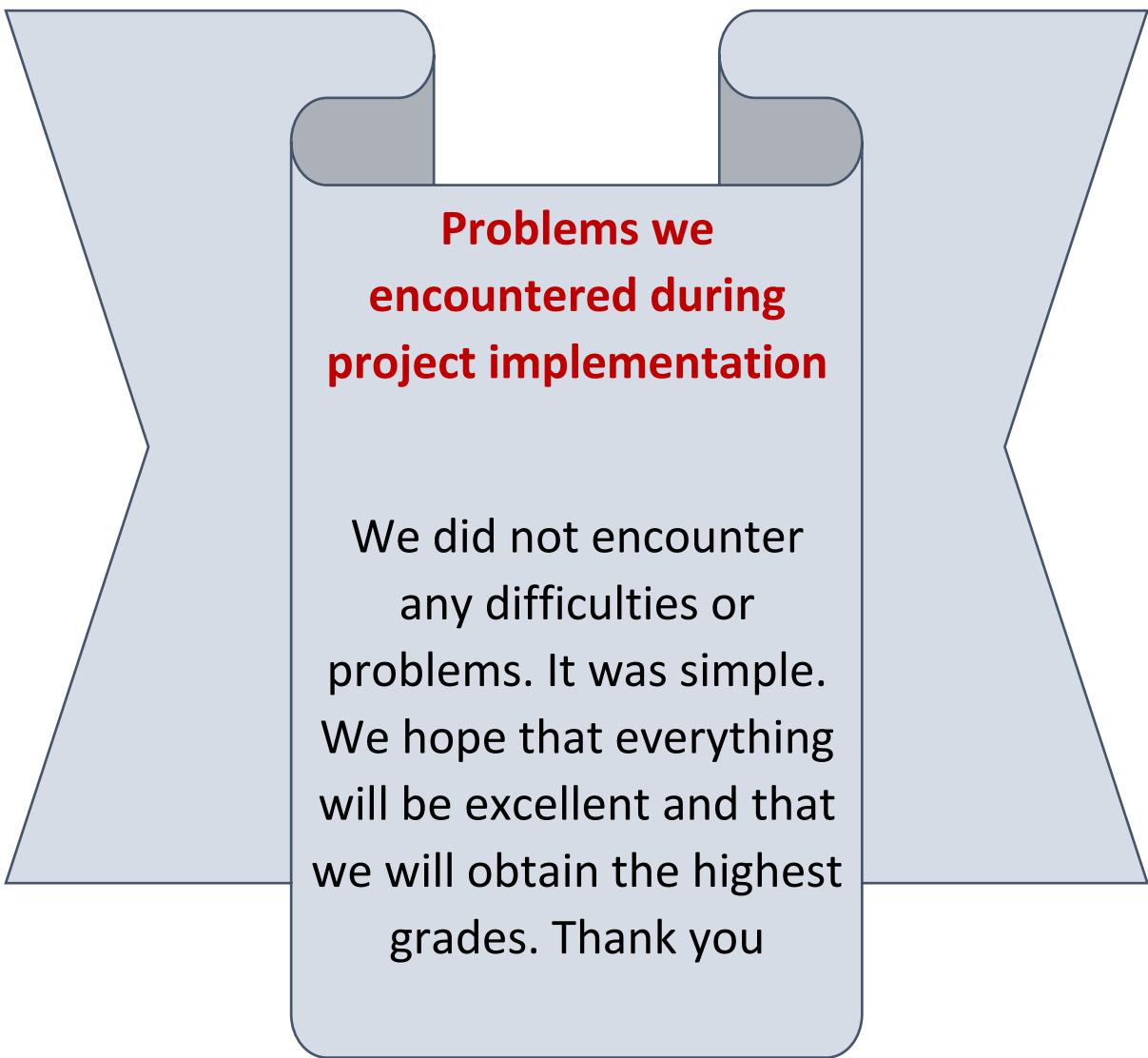
ORDER BY

A screenshot of a MySQL query editor titled "422tht7sn". The code in the editor is:

```
SELECT CID , Cname, Password,Phonenumber FROM CLIENT order by CID desc;
```

The output shows the client data ordered by CID in descending order:

CID	Cname	Password	Phonenumber
917	Abdullah	Abg13	0505217852
823	Ghala	Gh.141	0507829434
561	Fatimah	F-A12	0553274251
521	Sara	Sa.123	0554219332
417	Fahad	Fa-910	0553288701
415	Amal	Am-67	0550322147
332	Khaled	Kh-81	0502814567
243	Sultan	Su.903	0550433218
233	Noura	No-12	0501120813
134	Mohammed	M@24	0553240321



Problems we encountered during project implementation

We did not encounter any difficulties or problems. It was simple. We hope that everything will be excellent and that we will obtain the highest grades. Thank you