Welcome

ClubDB Project

Contents

Navigating the ins and outs of the Project

Introduction

Why a Club DB?

Because most of us go to clubs and use the club's services, and never really thought about how the data is stored or how the data is structured and how things operate behind the scenes from training subscriptions to employee management and it really does highlight the importance of database systems for businesses like clubs, it helps in event planning (which you'll see later in the queries), guiding members to specific places where a specific food/drink is served and other things like keeping digital records of professional player contracts and much more.

We think that a club represents a good way to show what we learned from this course and has good query options (even though it has so much data).

Requirements

Requierments for data:
-Each person in the database has a unique Social Security Number , Name (first , last) , address , phone and Birthdate

- The person table is devided into Three tables , player , employee and coach
- the employee table keeps track of the employees salary and ssn's
- the member table keeps track of each and member ship start date

and is devided into normal subscribers as players and professional players

- the player table keeps track of each player's his sport name , the subscribtion price, and the start date of the subscribtion and the proffesional player have the same in addition to salary
- the players can play in either team sports or individual sports
- the professional player table keeps track of each one's , Sport name , salary , contract start date and contract end date
- Each Team has a unique name and sport name

-Each Coach Has a unique Social Security number , a name , sport name , salary

MEMBERS{

Sport-
PRO_Players: INSERT INTO person and member and pro

-AND teamsport_player
1-30 Football: First team
31-60 Football: Academy
61-72 Basketball: Mens Team
73-84 Basketball: Womens Team

-AND individualSport_Player
85-94 Swimming
95-104 Kung Fu

coaches :: Person and Pro <not member>
105-114

NON PRO MEMBERS --> 115-200 [
115-149 --> Management{

==> INSERT INTO Person -> Employee -> Management Employee
and managers -> ALL THE LINE ABOVE + Manager_SSN;

115->130 : sport management - 130 Manager
131->135: Event Management - 135 Manager
136->140 : Quality Management - 140 Manager
141->148: Services Management - 148 Manager
149-> 152: Board - 149 Manager :: club president.

201-267 :: CATERING EMPLOYEES -> Insert into Person , Employee, Catering Staff

SVs SSNs also inserted into supervisorssn of catering location

201-216 : Azure (2 BRANCHES -11- 2SV (208,216)) 16employees 2 of them sv
217-224 : sail in sea (1 BRANCH -5- SV (224)) 8 employees 1 of them sv 5 reg
225-232 : Dominos (1 BRANCH -5- SV (232)) 8 employees 1 of them sv 5 reg
233-238 : Buffalo (1 BRANCH -5- SV (238)) 6 employees 1 of them sv 5 reg
239-244 : Dolato (1 BRANCH -5- SV (244)) 6 employees 1 of them sv 5 reg

245-259 : VAMOS (3 BRANCHES -7- 3SV(249,254,259) per branch , 5 Employees 1 of them sv)
260-267 : Costa Cafe (1 Branch -5- SV (267) 8 Employees 1 of them sv)
HIGHER SALARIES FOR 208,216,224,232,238,244,249,254,259,267
}

- Each catering has name,num of branches,type ,We has menu contain item ,price
- The catering has locations ,supervisor for each catering has a staff
- The staff has a lot supervisors and location of catering for each employee

Requirements

More can be found in Ta2seema.txt on The GitHub repo.

Our Team

Ahmed Khaled

Ahmed Ashraf

Noureen Ahmed

Seif Mohamed

Sherif Lotfy

AANSS

Supervisors

Dr.Wael Zakaria

Dr.Mohamed Hashim

Timeline

Brainstorming

Trying to find Ideas for the project.

Mapping/Modelling

Mapping the Tables and Relationships' EER and RM

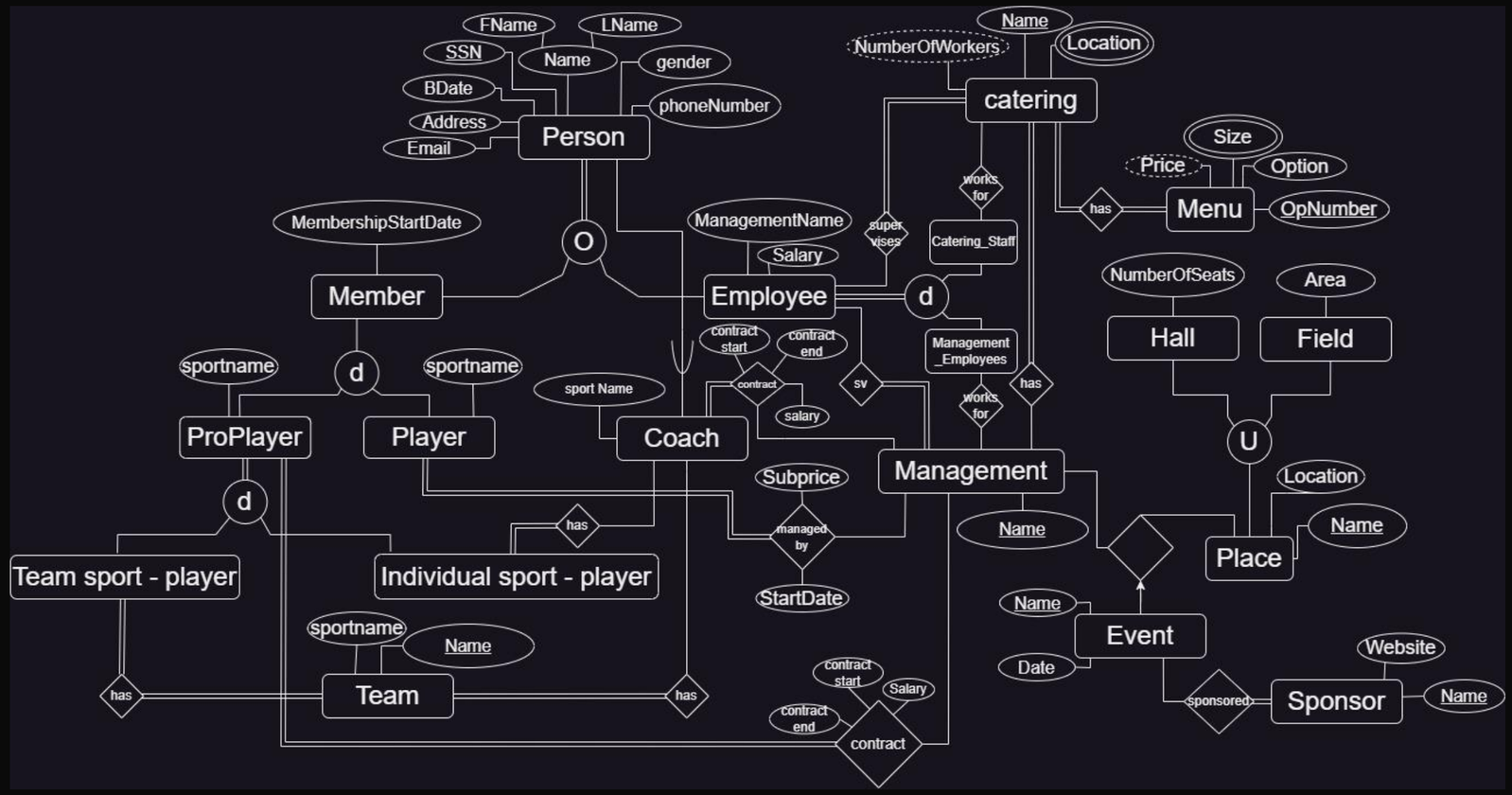
Query Creation

Writing Various Queries for things in the DB

Mapping EER & RM

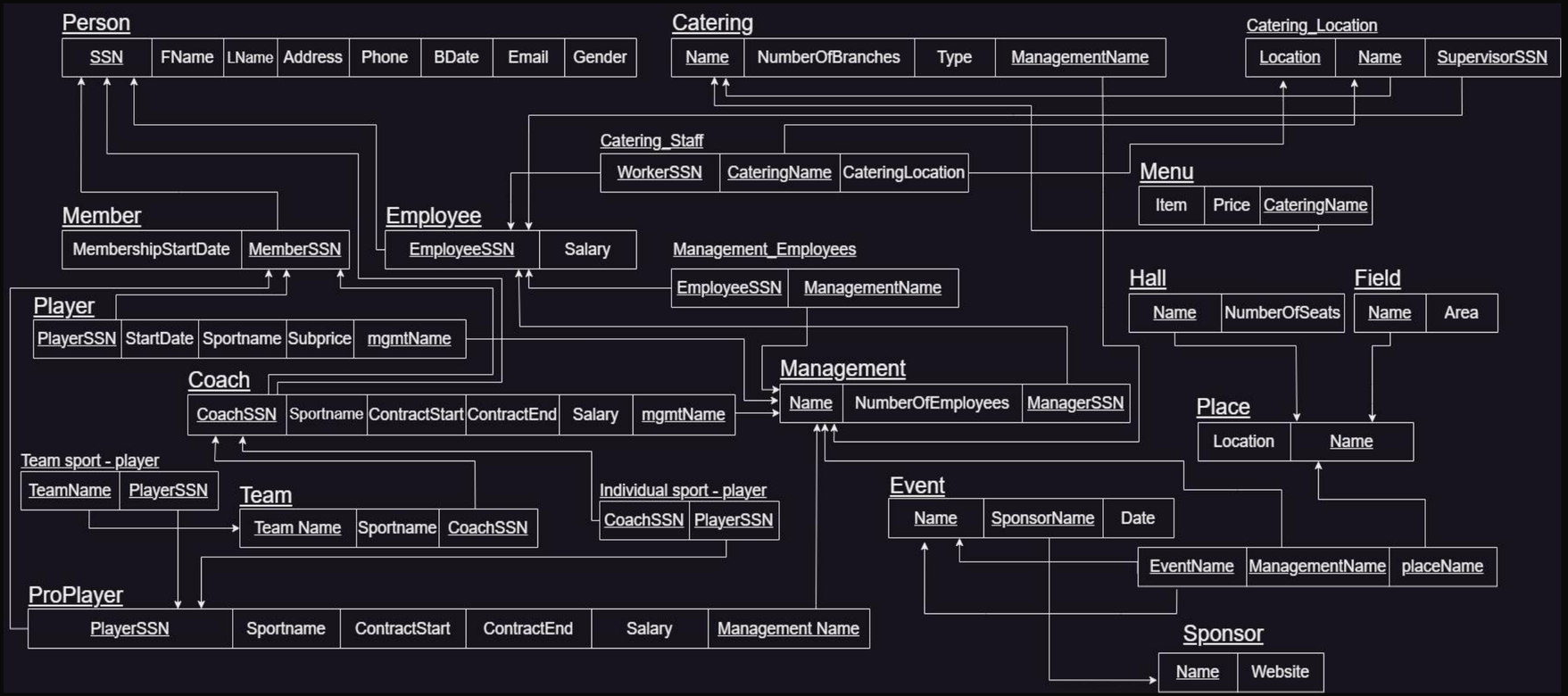
Using Draw.io we mapped out the Enhanced Entity Relationship diagram, and the Relational Model for the tables and relationships we initially had in mind. Lots of things were changed in the process while we were working on the relationships so there's quite a few versions in the archive which can be found on our GitHub Repository.

EER & RM



1. EER
Enhanced Entity Relationship

EER & RM



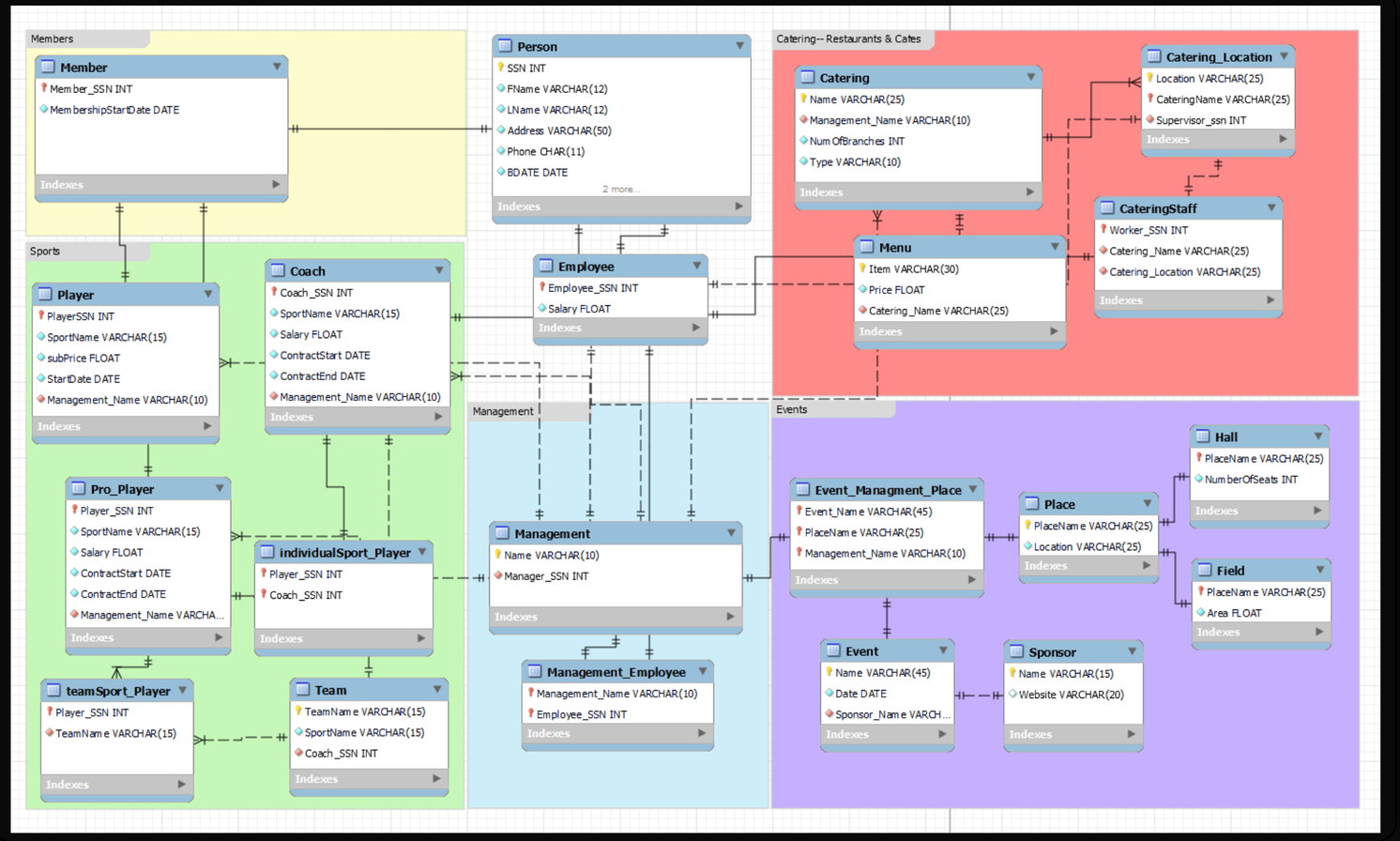
2. RM
Relational Model

Workbench Modelling

Basically taking what we previously made with the tables and relationships in the EER and Relational Model and making it in MySQL Workbench while minding all the relations stuff in workbench (which is annoying to work with by the way), and again we had multiple versions of this because of how many times we changed things in the EER and thus Relational Model, all of which are on the repository

WB Model

The WMB File also contains the inserts and data that is associated with each table, which there is a lot of data for a club and with this many tables.



Data & Inserts

Out of everything so far, this is probably what took the most time, determining the data sets for everything individually and then creating that data, which for example the person table contains 347 Inserts, which if done manually would take a huge amount of time so we built a script which outputs randomly generated data from provided names, streets etc.. , But for every group we need specific edits, for example: the football academy team, you'd have to edit the script to only get people of a certain age range so they'd be a fit for the team.

Data Gen Script

This is a snippet of the base script that just generates random data for the rows of the person

Full script and all variations and outputs can be found in the DataGens directory on the GitHub repo.

```python
import random
import datetime

def genData():
    downtown_streets = ["El Tahrir", "Talaat Harb", "Al Falaky", "26 July St", "Champeleon", "Sherif", "Adly"]
    zamalek_streets = ["Abou El Feda", "Bahgat Ali", "Taha Hussein", "Gezira", "Hassan Sabry", "Shagaret Al Dor", "Hassan Assem", "Ahmed Heshmat", "kamal Al Tawil", "Mohammed Mazhar"]
    imbaba_streets = ["18St. , ElTahrir City", "28St. ,ElTahrir City", "Talaat Harb", "Mamdouh Salem"]
    al_doqi_streets = ["Shaheen", "Gad Eid", "Hassan Ramadan"]
    helopolis_streets = ["Baghdad", "Al Merghany", "Al Ahram", "Al Nozha", "Al Hegaz", "Salah El Din"]
    shobra_streets = ["Shobra St.", "Ahmed Helmy", "Doletyan", "Rod El Farag", "Al Teraa Al Boulakeya", "Kholousi", "Al Khamrawaya", "15 May"]
    salam_streets = ["Gamal Abdel Nasser", "El Sadat"]
    maadi_streets = ["Al Saad Al Aaly","Al Nahda","Damascus","Oraby", "9 St.","Al Kanal","151 St.", "Al Nadi"]
    area = random.choice(['Downtown', 'Zamalek', 'Imbaba', 'Al Doqi', 'Heliopolis', 'Shobra', 'Al-Salam', 'Maadi'])
    street = ""
    random_number = random.randint(1, 100) #for building no
    if area == 'Downtown':
        street = random.choice(downtown_streets)
        city = 'Cairo'
    elif area == 'Zamalek':
        street = random.choice(zamalek_streets)
        city = 'Cairo'
    elif area == 'Imbaba':
        street = random.choice(imbaba_streets)
        city = 'Giza'
    elif area == 'Al Doqi':
        street = random.choice(al_doqi_streets)
        city = 'Giza'
    elif area == 'Heliopolis':
        street = random.choice(helopolis_streets)
        city = 'Cairo'
    elif area == 'Shobra':
        street = random.choice(shobra_streets)
        city = 'Cairo'
    elif area == 'Al-Salam':
        street = random.choice(salam_streets)
        city = 'Cairo'
    elif area == 'Maadi':
        street = random.choice(maadi_streets)
        city= 'Cairo'
  #name part
    nameM = ["Ahmed","Seif","Sherif","Marawan","Ehab","Kareem","Omar","Amr","Amir","Zeyad","Rashad","Abdallah","Abdelrahman","Ali","Wael","Mohamed","Mahmoud","Yousif","Mostafa","Adham","Ibrahim","Eyad","Abdalaziz","Haytham"]
    nameF = ["Aya","Amal","Amani","Omnya","Arwa","Nour","Rahma","Shahd","Noureen","Mariam","Nada","Esraa","Hager","Nourhan","Yasmin","Yara","Dina","Hana","Salma","Toaa","Eman"]
    gender = random.choice(['M','F'])
    if gender == 'M':
        first_name = random.choice(nameM)
    else:
        first_name = random.choice(nameF)

    L_name = [ "Mohamed","Khaled","Ashraf","Waleed","Emad","Sayed","Yaser","Magdy","Adel","Nader","Sobhi","Hani","Hassan","Farag","Salah","Ghanim","Khalil","Zakaria","Fawzi","Ezzat" ]
    last_name = random.choice(L_name)

    return first_name, last_name , gender , f"{random_number} {street}, {area}, {city}"

def ssnGen():
    while True:
        global current_ssn
        current_ssn += 1
        if current_ssn not in used_ssn:
            used_ssn.add(current_ssn)
            return current_ssn

used_ssn = set()
current_ssn = 107
```

Queries

We Wrote 22 Queries that find (Mostly)
Relevant data for normal

```
select p.fname ,p.lname,t.SportName, t.teamname ,r.ContractStart
from person p , teamsport_player t , pro_player r
where t.Player_SSN=p.SSN and r.Player_SSN=p.SSN
and r.ContractStart in
(select min(r.ContractStart)
from teamsport_player t , pro_player r ,person b
where t.Player_SSN=r.Player_SSN and r.Player_SSN=b.SSN
group by t.TeamName);
```

```
ct p.fname,p.lname , c.sportname , c.salary ,
c.salary as 'increased salary'
, coach c , individualsport_player i
_SSN =p.ssn and c.Coach_SSN=i.Coach_SSN ;
```

```
select e.Event_Name,e.PlaceName , p.location ,s.name
from event_managment_place e , place p , hall h ,sponsor s
where p.PlaceName=e.PlaceName and h.PlaceName=p.PlaceName and e.Event_N
and h.NumberOfSeats=(select max(h.NumberOfSeats) from hall h);

select* from menu
where item like"%pizza%";
```

```
SELECT p.fname ,p.lname ,e.salary , c.Catering_
from person p, cateringstaff c , employee e
where c.Worker_SSN=p.ssn and p.ssn=e.Employee_S
e.salary>
(select avg(e.salary) from employee e ,catering
order by e.salary desc;
```

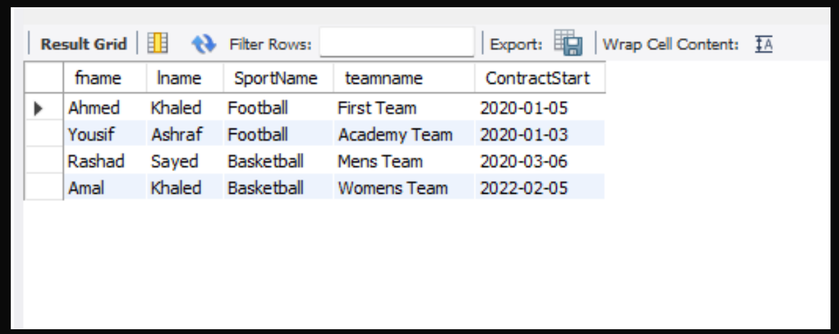
```
select c.Catering_Name , k.type , sum(e.salary) as
from cateringstaff c,catering k,employee e
where c.Worker_SSN=e.Employee_SSN and c.Catering_N
group by c.Catering_Name
order by paid_salaries desc;
```

```
select p.fname ,p.lname,p.email,m.MembershipStartDate
from member m , person p
where p.ssn=m.Member_SSN and
m.MembershipStartDate between '2005-1-1' and '2015-1-1'
and m.Member_SSN not in (select player_ssn from pro_player);
```

Query 1

```
select p.fname ,p.lname,t.SportName, t.teamname ,r.ContractStart
from person p , teamsport_player t , pro_player r
where t.Player_SSN=p.SSN and r.Player_SSN=p.SSN
and r.ContractStart in
(select min(r.ContractStart)
from teamsport_player t , pro_player r ,person b
where t.Player_SSN=r.Player_SSN and r.Player_SSN=b.SSN
group by t.TeamName);
```

Retrieves the oldest player in each team



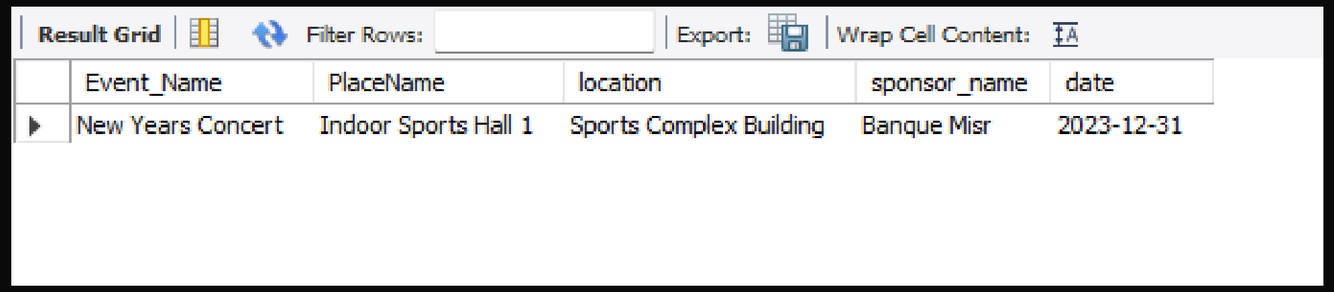
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

fname	lname	SportName	teamname	ContractStart
Ahmed	Khaled	Football	First Team	2020-01-05
Yousif	Ashraf	Football	Academy Team	2020-01-03
Rashad	Sayed	Basketball	Mens Team	2020-03-06
Amal	Khaled	Basketball	Womens Team	2022-02-05

Query 2

```
select e.Event_Name,e.PlaceName , p.location ,s.name
from event_managment_place e , place p , hall h ,sponsor s
where p.PlaceName=e.PlaceName and h.PlaceName=p.PlaceName and e.Event_Name =s.Event_Name
and h.NumberOfSeats=(select max(h.NumberOfSeats) from hall h);
```

Retrieves the biggest hall to hold new years concert event

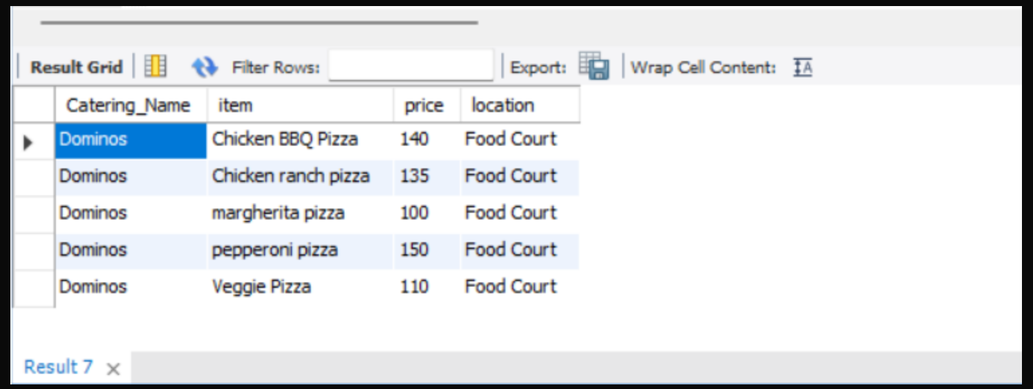


Event_Name	PlaceName	location	sponsor_name	date
New Years Concert	Indoor Sports Hall 1	Sports Complex Building	Banque Misr	2023-12-31

Query 3

```
select* from menu
where item like"%pizza%";
```

Retrieves Data of Menu Items including ‘Pizza’



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

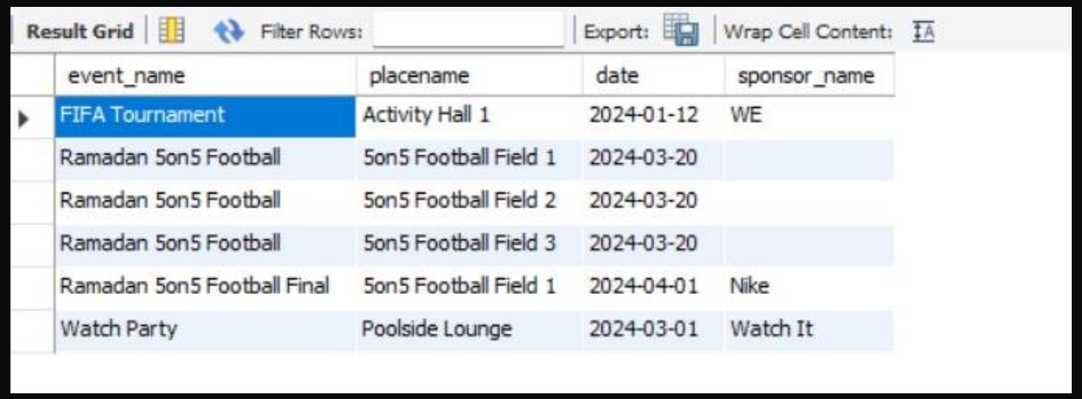
Catering_Name	item	price	location
Dominos	Chicken BBQ Pizza	140	Food Court
Dominos	Chicken ranch pizza	135	Food Court
Dominos	margherita pizza	100	Food Court
Dominos	pepperoni pizza	150	Food Court
Dominos	Veggie Pizza	110	Food Court

Result 7

Query 4

```
/*the event that will be in the next year*/
select  e.event_name,e.placename, v.date ,v.sponsor_name
from event_managment_place e natural join event v
where  e.event_name = v.name and v.Date like '%__24%';
```

Retrieves all of next years events



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

event_name	placename	date	sponsor_name
FIFA Tournament	Activity Hall 1	2024-01-12	WE
Ramadan 5on5 Football	5on5 Football Field 1	2024-03-20	
Ramadan 5on5 Football	5on5 Football Field 2	2024-03-20	
Ramadan 5on5 Football	5on5 Football Field 3	2024-03-20	
Ramadan 5on5 Football Final	5on5 Football Field 1	2024-04-01	Nike
Watch Party	Poolside Lounge	2024-03-01	Watch It

Query 5

```
select p.fname ,p.lname,p.email,m.MembershipStartDate
from member m , person p
where p.ssn=m.Member_SSN and
m.MembershipStartDate between '2005-1-1' and '2008-1-1'
and m.Member_SSN not in (select p.player_ssn , m.player_ssn from pro_player p, player m);
```

The non pro player member whose membership more than 3 years since 2005

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

fname	lname	email	MembershipStartDate
Hana	Mohamed	HanaMohamed372@hotmail.com	2006-01-11
Nour	Hani	NourHani231@hotmail.com	2006-05-10
Hana	Ghanim	HanaGhanim335@outlook.com	2005-12-04
Abdalaziz	Zakaria	AbdalazizZakaria326@gmail.com	2006-08-08
Seif	Sobhi	SeifSobhi37@gmail.com	2007-02-04
Ibrahim	Sayed	IbrahimSayed170@hotmail.com	2007-10-08
Rahma	Sayed	RahmaSayed139@outlook.com	2007-06-25
Salma	Khaled	SalmaKhaled115@outlook.com	2005-11-28
Omnya	Sobhi	OmnyaSobhi354@gmail.com	2006-10-27

Query 6

```
select m.Catering_Name , m.item , m.price , cl.Location
from menu m inner  join catering_location cl
on m.Catering_Name = cl.CateringName
where m.item like"%coffee%";
```

Retrieves the Restaurants or cafes who have coffee in every branch

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Catering_Name	item	price	Location
VAMOS	French Coffee	20	Club Track
VAMOS	Turkish coffee	12	Club Track
Costa Coffee	Ice coffee	45	Food Court
VAMOS	French Coffee	20	Main Club Building
VAMOS	Turkish coffee	12	Main Club Building
VAMOS	French Coffee	20	Poolside
VAMOS	Turkish coffee	12	Poolside

Query 7

```
select distinct p.fname,p.lname , c.sportname , c.salary ,
c.salary+0.1*c.salary as 'increased salary'
from person p , coach c , individualsport_player i
where c.Coach_SSN =p.ssn and c.Coach_SSN=i.Coach_SSN ;
```

Add a 10% to salary for every coach who train player in single sport

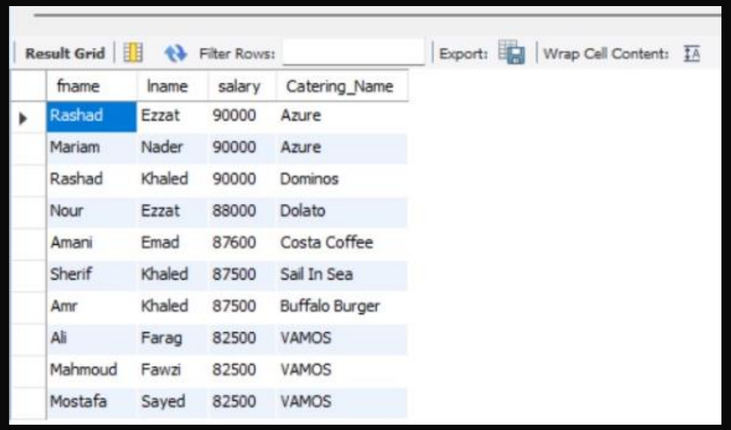
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

fname	lname	sportname	salary	increased salary
Kareem	Sobhi	Swimming	127778	140555.8
Abdallah	Khaled	Swimming	124745	137219.5
Omnya	Khaled	Swimming	145006	159506.6
Amr	Adel	Kung Fu	123781	136159.1
Wael	Khalil	Kung Fu	137288	151016.8
Yousif	Yaser	Kung Fu	124605	137065.5

Query 8

```
SELECT p.fname ,p.lname ,e.salary , c.Catering_Name
from person p, cateringstaff c , employee e
where c.Worker_SSN=p.ssn and p.ssn=e.Employee_SSN and
e.salary>
(select avg(e.salary) from employee e ,cateringstaff c where c.Worker_SSN=e.Employee_SSN)
order by e.salary desc;
```

Retrieves Employee Data for employees who make more than the average for each catering



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

fname	lname	salary	Catering_Name
Rashad	Ezzat	90000	Azure
Mariam	Nader	90000	Azure
Rashad	Khaled	90000	Dominos
Nour	Ezzat	88000	Dolato
Amani	Emad	87600	Costa Coffee
Sherif	Khaled	87500	Sail In Sea
Amr	Khaled	87500	Buffalo Burger
Ali	Farag	82500	VAMOS
Mahmoud	Fawzi	82500	VAMOS
Mostafa	Sayed	82500	VAMOS

Query 9

```
select Management_Name,count(Employee_SSN) as 'no of employees'
from management_employee
group by management_name
order by management_name asc;
```

Retrieves The number of employees in each managment

	Management_Name	no of employees
▶	Board	4
	Events	5
	Quality	5
	Services	8
	Sport	16

Query 10

```sql
select c.Catering_Name , k.type , sum(e.salary) as paid_salaries
from cateringstaff c,catering k,employee e
where c.Worker_SSN=e.Employee_SSN and c.Catering_Name=k.name
group by c.Catering_Name
order by paid_salaries desc;
```

Retrieves the paid salaries of employees for each catreing

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Catering_Name	type	paid_salaries
Azure	Restaurant	903438
VAMOS	Cafe	858677
Costa Coffee	Cafe	450471
Sail In Sea	Restaurant	450187
Dominos	Restaurant	446060
Buffalo Burger	Restaurant	342247

Query ll

```
select sportname,count(Player_SSN) as no_of_pro_players from pro_player
group by sportname
having count(Player_SSN)>=10
order by no_of_players asc;
```

Retrieves number of pro players for each sport

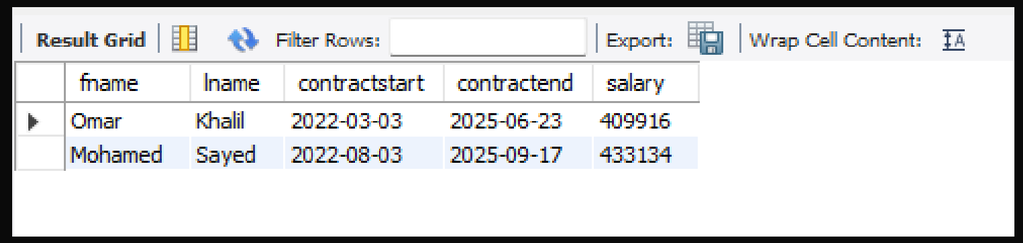
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SportName	no_of_players
Swimming	10
Kung Fu	10
Basketball	24
Football	60

Query 12

```
select p.fname , p.lname , n.contractstart , n.contractend ,n.salary
from person p join pro_player n on n.player_ssn = p.ssn
where n.contractend like '%2025%' and n.salary > 400000;
```

Retrieves Pro Players' data whose contract ends in 2025, and salary above 400000 / yr

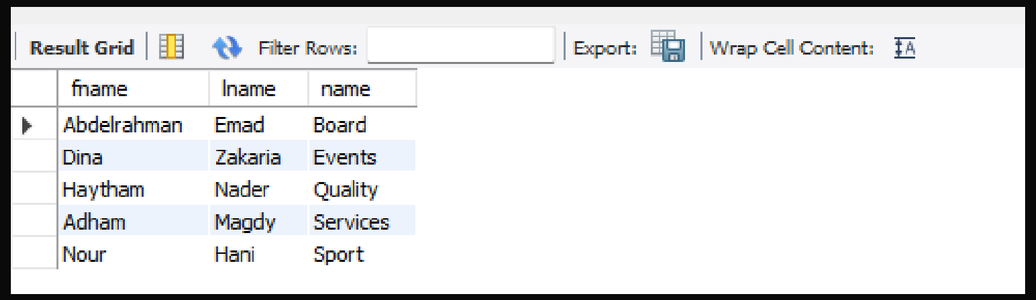


fname	lname	contractstart	contractend	salary
Omar	Khalil	2022-03-03	2025-06-23	409916
Mohamed	Sayed	2022-08-03	2025-09-17	433134

Query 13

```
select p.fname ,p.lname , m.name from person p , management m
where m.Manager_SSN=p.ssn
group by m.name;
```

Retrieves name of manager of each management



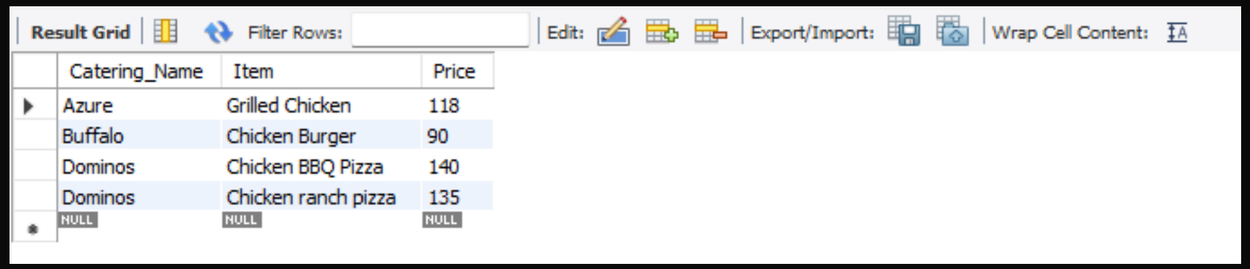
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

fname	lname	name
Abdelrahman	Emad	Board
Dina	Zakaria	Events
Haytham	Nader	Quality
Adham	Magdy	Services
Nour	Hani	Sport

Query 14

```
select * from menu
where price between 80 and 150
and item like '%chicken%';
```

Retrieves all food items including ‘Chicken’ and price between 80 and 150



Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Catering_Name	Item	Price
Azure	Grilled Chicken	118
Buffalo	Chicken Burger	90
Dominos	Chicken BBQ Pizza	140
Dominos	Chicken ranch pizza	135
NULL	NULL	NULL

Query 15

```
select p.*  from person p , cateringstaff c
where p.ssn = c.worker_ssn and c.Catering_Name in
(select cateringname from catering_location group by CateringName having count(*)>1);
```

Retrieves Employees of Restaurants/Cafes that have more than one branch

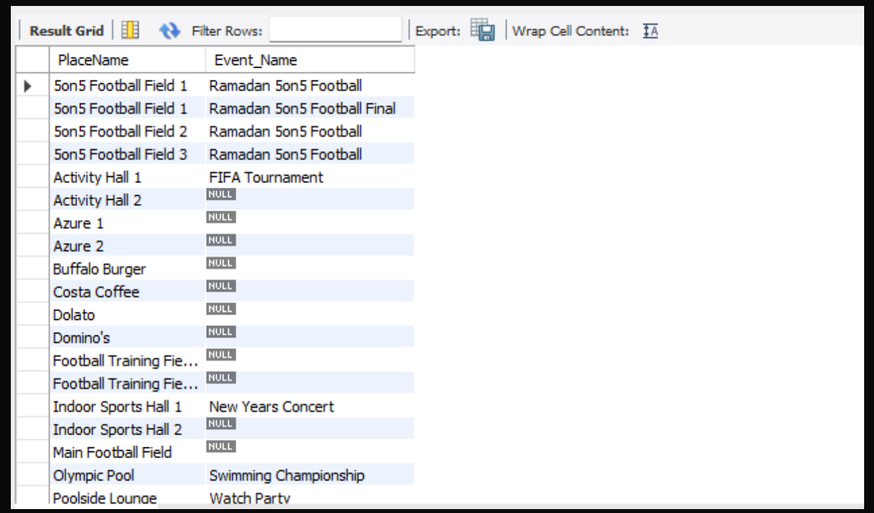
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SSN	FName	LName	Address	Phone	BDATE	Gender	Email
201	Amal	Salah	62 Talaat Harb Downtown Cairo	01109418362	1996-02-03	F	AmalSalah222@hotmail.com
202	Amir	Magdy	14 Gamal Abdel Nasser Al-Salam Cairo	01086172493	1996-06-27	M	AmirMagdy132@outlook.com
203	Kareem	Emad	27 9 St. Maadi Cairo	01595728604	1997-02-10	M	KareemEmad161@gmail.com
204	Esraa	Salah	50 Adly Downtown Cairo	01062398750	1997-08-13	F	EsraaSalah285@gmail.com
205	Sherif	Salah	59 Champeleon Downtown Cairo	01295410236	1995-05-08	M	SherifSalah197@gmail.com
206	Amani	Salah	17 Gamal Abdel Nasser Al-Salam Cairo	01151963780	1997-07-28	F	AmaniSalah288@outlook.com
207	Mahmoud	Fawzi	60 Al Nahda Maadi Cairo	01213724580	1995-05-09	M	MahmoudFawzi330@outlook.com
208	Rashad	Ezzat	34 28St. El-Tahrir City Imbaba Giza	01549612573	1997-09-16	M	RashadEzzat155@gmail.com
209	Shahd	Khalil	11 Al Teraa Al Boulakeya Shobra Cairo	01049752831	2003-09-14	F	ShahdKhalil59@outlook.com
210	Nada	Adel	88 Hassan Assem Zamalek Cairo	01106431728	2000-04-22	F	NadaAdel15@gmail.com
211	Salma	Fawzi	80 Al Saad Al Aaly Maadi Cairo	01520746385	1995-04-20	F	SalmaFawzi251@outlook.com
212	Nour	Hani	22 Gamal Abdel Nasser Al-Salam Cairo	01563594827	1995-02-03	F	NourHani284@gmail.com
213	Sherif	Magdy	28 Doletyan Shobra Cairo	01598065173	2003-08-18	M	SherifMagdy85@outlook.com
214	Hager	Waleed	35 Baghdad Helipolis Cairo	01090283674	2002-04-19	F	HagerWaleed267@outlook.com
215	Rashad	Magdy	49 15 May Shobra Cairo	01095103278	1999-07-07	M	RashadMagdy382@outlook.com
216	Mariam	Nader	18 El Sadat Al-Salam Cairo	01514386972	1996-02-23	F	MariamNader348@hotmail.com
245	Eman	Magdy	18 Champeleon Downtown Cairo	01591865047	2000-02-14	F	EmanMagdy285@hotmail.com
246	Nourhan	Hani	83 Al Merghany Heliopolis Cairo	01087016529	1998-08-18	F	NourhanHani25@outlook.com
247	Mohamed	Waleed	97 Gad Eid Al Dogi Giza	01025781630	1996-01-10	M	MohamedWaleed129@hotmail.com

Query 16

```
/*all places that has event or not*/
create view place_event as
select p.PlaceName, e.Event_Name
from place p left outer join event_managment_place e
on e.PlaceName=p.placename;
#select *from place_event;
```

Retrieves All places, whether they have an event or not, note: Run everything before # 1st



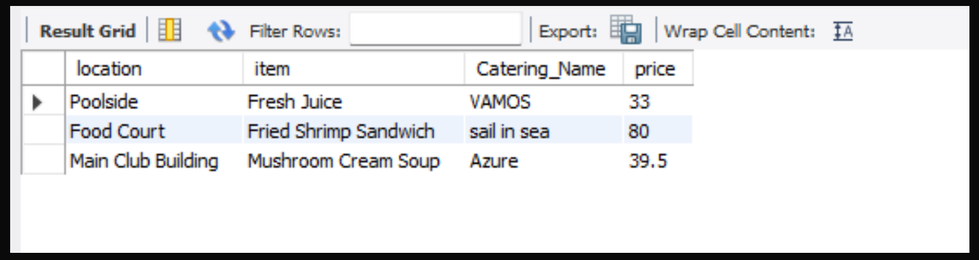
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

PlaceName	Event_Name
5on5 Football Field 1	Ramadan 5on5 Football
5on5 Football Field 1	Ramadan 5on5 Football Final
5on5 Football Field 2	Ramadan 5on5 Football
5on5 Football Field 3	Ramadan 5on5 Football
Activity Hall 1	FIFA Tournament
Activity Hall 2	NULL
Azure 1	NULL
Azure 2	NULL
Buffalo Burger	NULL
Costa Coffee	NULL
Dolato	NULL
Domino's	NULL
Football Training Fie...	NULL
Football Training Fie...	NULL
Indoor Sports Hall 1	New Years Concert
Indoor Sports Hall 2	NULL
Main Football Field	NULL
Olympic Pool	Swimming Championship
Poolside Lounge	Watch Party

Query 17

```
/*make an order from different caterings*/
select cl.location,m.item ,m.Catering_Name,m.price
from catering_location cl ,menu m
where cl.location='Poolside' and m.Catering_Name=cl.CateringName and m.item='Fresh Juice'
union
select cl.location ,m.item ,m.Catering_Name,m.price from catering_location cl ,menu m
where  m.Catering_Name=cl.CateringName and m.item ='Fried Shrimp Sandwich'
union
select cl.location ,m.item ,m.Catering_Name,m.price from catering_location cl ,menu m
where  m.Catering_Name=cl.CateringName and m.item ='Mushroom Cream Soup'and cl.location= 'Main Club Building' ;
```

Retrieves an order from different caterings and of different types of food/drink



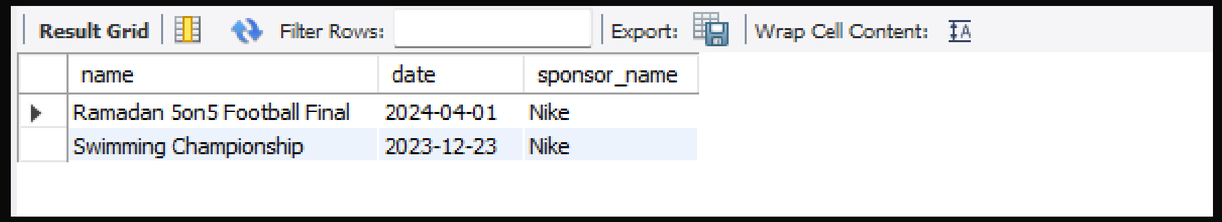
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

location	item	Catering_Name	price
Poolside	Fresh Juice	VAMOS	33
Food Court	Fried Shrimp Sandwich	sail in sea	80
Main Club Building	Mushroom Cream Soup	Azure	39.5

Query 18

```sql
-- 19
/*the events that hold by specific sponsor*/
select e.name , e.date , e.sponsor_name from event e
where e.Sponsor_Name like'N%';
```

Retrieves Event data for events sponsored by a sponsor whose name begins with N

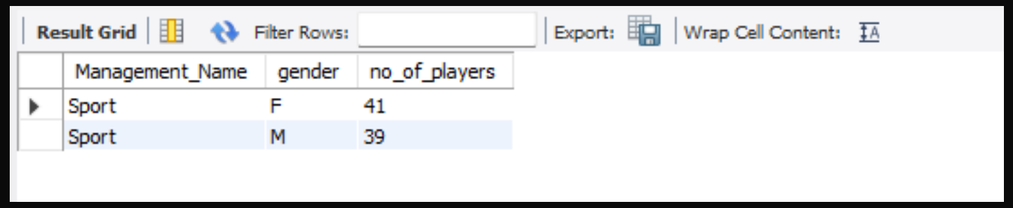


name	date	sponsor_name
Ramadan 5on5 Football Final	2024-04-01	Nike
Swimming Championship	2023-12-23	Nike

Query 19

```sql
/* number of male players and female players*/
select p.Management_Name,r.gender,count(p.PlayerSSN) as no_of_players
from player p , person r
where p.PlayerSSN=r.ssn
group by r.gender;
```

Retrieves number of Female and Male Players (non pro)



Management_Name	gender	no_of_players
Sport	F	41
Sport	M	39

Query 20

```sql
-- 20
/*member who lives in talaat harb*/
select p.fname ,p.lname , p.ssn , p.address
from person p  join  member m on m.Member_SSN = p.SSN
where p.Address like '%Talaat Harb%';
```

Retrieves Members living in a street called Talaat Harb, (2 streets with the same name)

fname	lname	ssn	address
Sherif	Waleed	3	93 Talaat Harb Imbaba Giza
Mahmoud	Yaser	13	7 Talaat Harb Downtown Cairo
Seif	Khaled	18	77 Talaat Harb Downtown Cairo
Seif	Ashraf	20	2 Talaat Harb Imbaba Giza
Yousif	Magdy	39	58 Talaat Harb Imbaba Giza
Rashad	Fawzi	55	12 Talaat Harb Imbaba Giza
Amir	Sayed	58	74 Talaat Harb Imbaba Giza
Ali	Salah	103	42 Talaat Harb Imbaba Giza
Ahmed	Waleed	152	72 Talaat Harb Imbaba Giza
Abdalaziz	Sobhi	154	31 Talaat Harb Downtown Cairo
Amir	Khaled	167	75 Talaat Harb Imbaba Giza
Nour	Fawzi	173	46 Talaat Harb Imbaba Giza
Omnya	Hassan	291	14 Talaat Harb Downtown Cairo
Yousif	Fawzi	305	56 Talaat Harb Imbaba Giza
Kareem	Salah	319	23 Talaat Harb Downtown Cairo

Query 21

```
select p.fname as supervisors , p.ssn , p.phone , cl.cateringname , cl.location as branches
from catering_location cl
join person p on p.ssn = cl.Supervisor_ssn
where cl.cateringname = 'vamos' ;
```

Retrieves the details of supervisors for vamos in each branch

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

supervisors	ssn	phone	cateringname	branches
Mostafa	259	01023904786	VAMOS	Club Track
Mahmoud	249	01238540619	VAMOS	Main Club Building
Ali	254	01579451236	VAMOS	Poolside

Query 22

```sql
-- 22
/*the fields that hold ramadan events*/
select P.Event_name , P.PlaceName
from event_managment_place P
where P.Event_name like "%Ramadan 5on5%";
```

Retrieves the fields hosting the Ramadan 5 on 5 football tournament, and final game.

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Event_name	PlaceName
Ramadan 5on5 Football	5on5 Football Field 1
Ramadan 5on5 Football	5on5 Football Field 2
Ramadan 5on5 Football	5on5 Football Field 3
Ramadan 5on5 Football Final	5on5 Football Field 1

Thank you!

We hope you liked our work on this project!