

Database of school

Members :

1- Name : Mohamed Tarek Mohamed Tawfik

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2- Name : Mahmoud Mohamed Zaki

Phone number : 01033395278

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3- Name : Rehab Refat Abd almoamen

Phone number : 01029509832

E-mail : 30106201400365@sci.asu.edu.eg

Doctors:

1. Dr: Wael Zakaria

2. Dr: Naglaa M. Reda

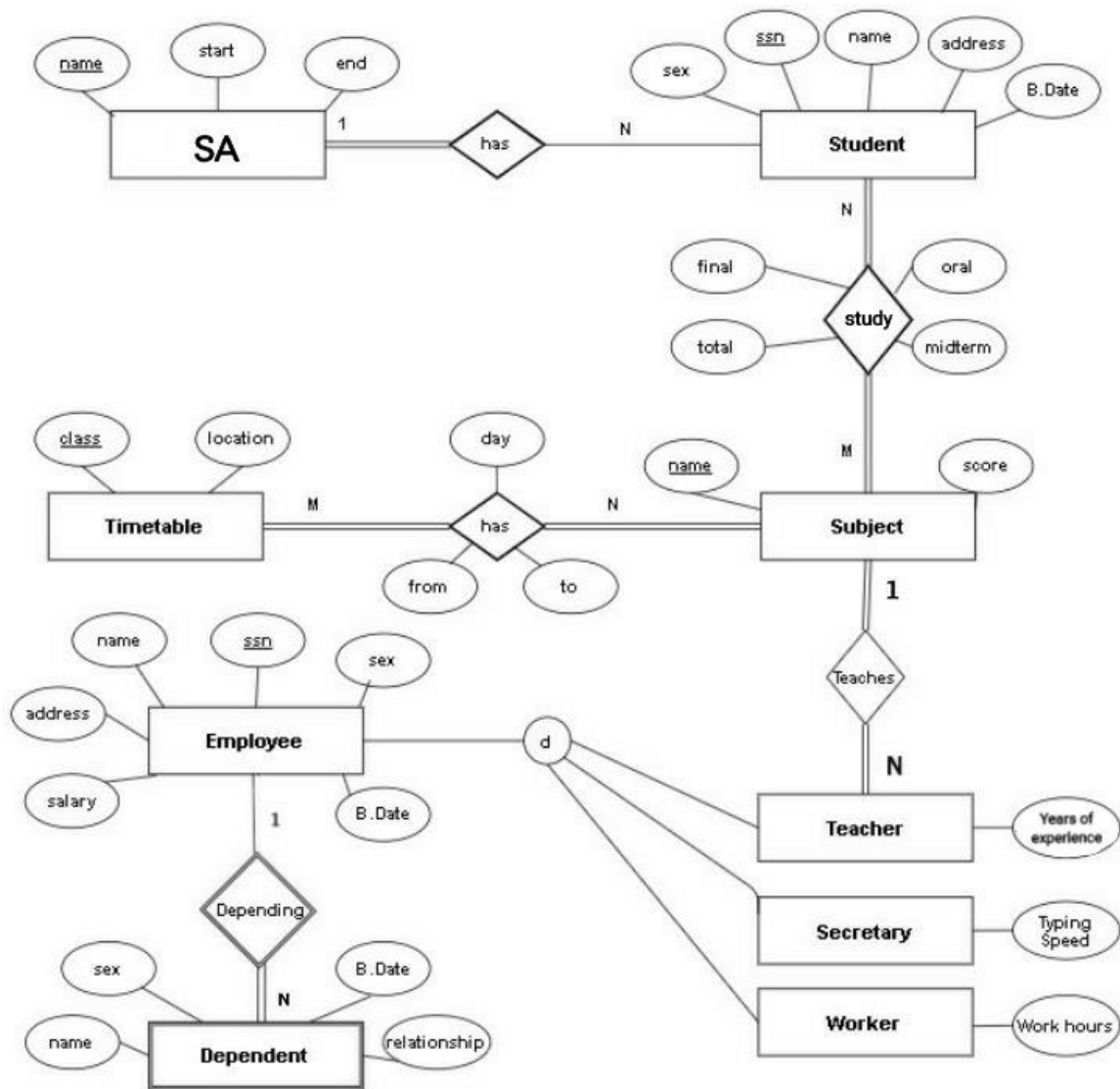
Objectives :

- 1-** Help any student to know his grades easily.
- 2-** Help any teacher to track student's level.
- 3-** Help student's parents to track their son's grades.
- 4-** Make it easy for the school to organize summer activities for the students.
- 5-** We can connect this database to an official website of the school.

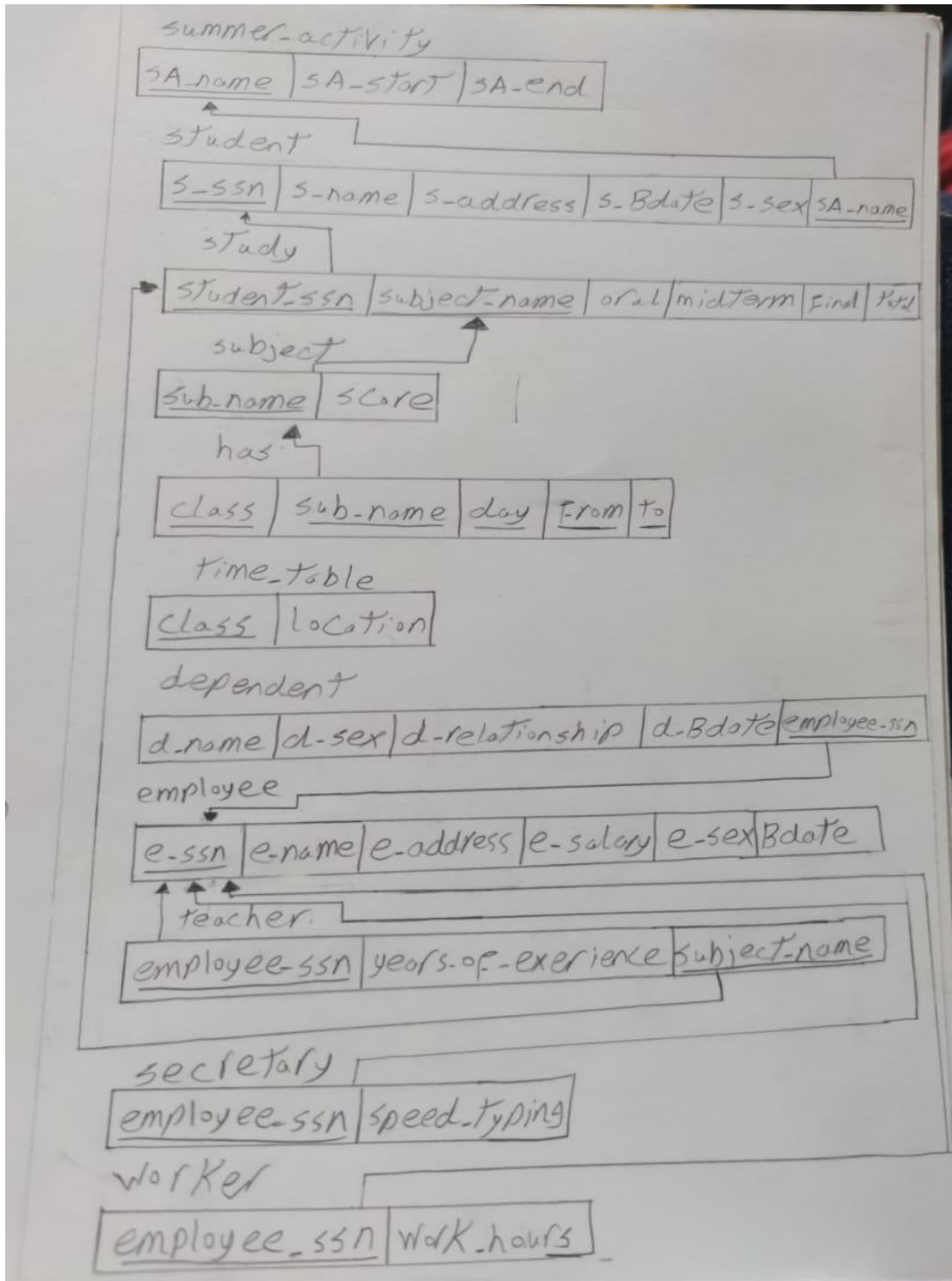
We keep track of student , summer activity as SA , subject , time table , employee which is superclass for three subclasses (Teacher , secretary and worker) and dependants for every employee.

- A.** Each student has unique social security number , name , address , birth date and sex.
- B.** Students has Summer activity which has name , start time and end time.
- C.** Each student has some subjects with name and score and every student has final , oral midterm and total mark in every subject.
- D.** Time table has location and class .. each subject lesson has start time ,end time.
- E.** Each employee has unique social security number , name , sex , B.date , address and salary .Each employee has dependants with name , sex , Birth date and the relationship between him and his dependant .

F. We have three subclasses teacher which has years of experience, secretary which has typing speed and worker which has work hours.



The relational model:



Inserted Data:

Student

s_ssn	s_name	s_address	s_bdate	s_sex	SA_name
445566771	Ibrahim Mohamed Aly Ibrahim	1 Talaat Harb Sq., DOWNTOWN,Cairo	2006-01-01	M	Football
445566772	Ahmed Ahmed Mahmoud Hassan	Gamal Abdel Naser St, Off Omar Ibn El Khattab St. El Herafeyeen,Cairo	2006-01-01	M	Basketball
445566773	Ahmed Ashraf Hamed Mohamed	24 Bapars St, AZHAR,Cairo	2006-01-01	M	Pool
445566774	Ahmed Hassan Anwer Mousa	21 Talaat Harb St, P.O. Box: 12321,Cairo	2006-01-01	M	Ping Pong
445566775	Ahmed Mohamed Hassan Youssef	25A Hadayek El-Obour St., Nasr City,cairo	2006-01-02	M	Volleyball
445566776	Ahmed Fat Sayed Ahmed	147 El-Hegaz St., El-Hegaz Sq,Cairo	2006-01-02	M	Running
445566777	Ahmed Adel Ahmed Mohamed	366 El Malek Faisal St., Talbia,Cairo	2006-01-02	M	Handball
445566778	Ahmed Hany Ahmed Ibrahim	6 Shams El-Din El-Zahaby St., Ard El-Gulf,Cairo	2006-01-02	M	Tennis
445566779	Ahmed Ashraf Sayed Mohamed	14 Maksar El-Khashab St., Mousky,Cairo	2006-01-03	M	Netball
445566710	Ahmed Mohamed Ezat Mustafa	61 Gameat El Dowal El Arabeya St, MOHANDESEEN,Cairo	2006-01-03	M	Cycling

s_ssn	s_name	s_address	s_bdate	s_sex	SA_name
445566716	Eslam Mustafa Mohamed Aly	27 Dr.Mohamed Kamel Hussein, El-Nozha,Cairo	2006-01-04	M	Volleyball
445566717	Eslam Mohamed Aly Amin	28 Adly St., DOWNTOWN,Cairo	2006-01-05	M	Running
445566718	Eslam Yasser Kassem Mohamed	13 Ibrahim Naguib St., GARDEN CITY,Cairo	2006-01-05	M	Handball
445566719	Eslam Hatem Mahmoud Ibrahim	3 Hassan Sadek St., off Mirghany,Cairo	2006-01-05	M	Tennis
445566720	Amin El-Sayed Helmy Bakr	129 Merghani St., Heliopolis,Cairo	2006-01-05	M	Football
445566721	Amin Khaled Amin Mehdi	6 Gomhoreya Sq., ABDIN,Cairo	2006-04-04	M	Basketball
445566722	Ayman Younes Ahmed Aly	29 Emad El-Din St., Down Town,Cairo	2006-04-04	M	Cycling
445566723	Jasser Ahmed Sayed Mohamed	Kanounine Tower Corniche El-Nile; 10th Floor; Off. 122, Maadi,Cairo	2006-04-04	M	Pool
445566724	Hazam Ahmed Nabil Sayed	3 Hafez Ramadan St., Off Makram Ebeid,Cairo	2006-04-04	M	Ping Pong
445566725	Hossam Hassan Kassem Aly	33 El-Makrezy St., Mansheat El-Bakry,Cairo	2006-04-04	M	Volleyball

s_ssn	s_name	s_address	s_bdate	s_sex	SA_name
445566771	Ibrahim Mohamed Aly Ibrahim	1 Talaat Harb Sq., DOWNTOWN,Cairo	2006-01-01	M	Football
445566772	Ahmed Ahmed Mahmoud Hassan	Gamal Abdel Naser St, Off Omar Ibn El Khattab St. El Herafeyeen,Cairo	2006-01-01	M	Basketball
445566773	Ahmed Ashraf Hamed Mohamed	24 Bapars St, AZHAR,Cairo	2006-01-01	M	Pool
445566774	Ahmed Hassan Anwer Mousa	21 Talaat Harb St, P.O. Box: 12321,Cairo	2006-01-01	M	Ping Pong
445566775	Ahmed Mohamed Hassan Youssef	25A Hadayek El-Obour St., Nasr City,cairo	2006-01-02	M	Volleyball
445566776	Ahmed Fat Sayed Ahmed	147 El-Hegaz St., El-Hegaz Sq,Cairo	2006-01-02	M	Running
445566777	Ahmed Adel Ahmed Mohamed	366 El Malek Faisal St., Talbia,Cairo	2006-01-02	M	Handball
445566778	Ahmed Hany Ahmed Ibrahim	6 Shams El-Din El-Zahaby St., Ard El-Gulf,Cairo	2006-01-02	M	Tennis
445566779	Ahmed Ashraf Sayed Mohamed	14 Maksar El-Khashab St., Mousky,Cairo	2006-01-03	M	Netball
445566710	Ahmed Mohamed Ezat Mustafa	61 Gameat El Dowal El Arabeya St, MOHANDESEEN,Cairo	2006-01-03	M	Cycling

Subject

sub_name	score
arabic	80
english	60
math	60
science	40
social studies	40
NULL	NULL

Time Table

class	location
1/1	floor1
1/2	floor2
1/3	floor3
2/1	floor1
2/2	floor2
2/3	floor3
3/1	floor1
3/2	floor2
3/3	floor3
NULL	NULL

SA

SA_name	SA_start	SA_end
Footbal	2021-02-01	2021-02-03
Basketball	2021-02-04	2021-02-08
Pool	2021-02-09	2021-02-13
Volleyball	2021-02-14	2021-02-17
Running	2021-02-18	2021-02-22
Handball	2021-02-23	2021-02-26
Tennis	2021-02-27	2021-02-29
Netball	2021-02-28	2021-02-21
Cycling	2021-03-01	2021-03-05
Ping Pong	2021-03-06	2021-03-10
NULL	NULL	NULL

Study

student_ssn	subject_name	oral	midterm	final	total
445566771	arabic	9	10	60	79
445566771	english	10	10	40	60
445566771	math	9	9	40	58
445566771	science	5	5	29	39
445566771	social studies	5	5	28	38
445566772	arabic	10	8	59	77
445566772	english	10	10	40	60
445566772	math	10	10	40	60
445566772	science	5	5	28	38
445566772	social studies	4	4	29	37
445566773	arabic	9	10	59	79

student_ssn	subject_name	oral	midterm	final	total
445566728	english	9	8	38	55
445566728	math	10	9	39	58
445566728	science	4	5	30	39
445566728	social studies	5	4	29	38
445566729	arabic	9	9	59	77
445566729	english	9	9	39	57
445566729	math	9	10	40	59
445566729	science	4	5	30	39
445566729	social studies	4	5	29	38
445566730	arabic	10	9	58	77
445566730	english	10	8	38	57

student_ssn	subject_name	oral	midterm	final	total
445566754	social studies	4	5	28	37
445566755	arabic	9	10	58	77
445566755	english	9	10	38	57
445566755	math	9	9	39	57
445566755	science	5	5	30	40
445566755	social studies	5	4	29	38
445566756	arabic	9	9	58	76
445566756	english	8	10	39	57
445566756	math	9	10	38	57
445566756	science	4	5	30	39
445566756	social studies	5	5	28	38

Dependent

d_name	d_sex	d_relationship	d_Bdate	employee_ssn
fatma hassan	F	sister	1988-06-16	161409084
fatma fathy	F	mother	1981-06-19	161409046
malak hany	F	mother	1975-04-05	169409115
mayada magdy	F	sister	1992-01-15	160511277
norhan ali	F	mother	1991-04-22	162901292
heba mahmoud	F	mother	1991-02-04	166610114
yasin amr'	M	father	1969-06-25	160506177
nada zaki	F	sister	1986-08-23	165210161
kamal eldin'	M	brother	1992-10-16	165811222
mohamed badr'	M	father	1967-04-15	168111143
moamed khaled	M	father	1975-12-21	169708046

d_name	d_sex	d_relationship	d_Bdate	employee_ssn
nada zaki	F	sister	1986-08-23	165210161
kamal eldin'	M	brother	1992-10-16	165811222
mohamed badr'	M	father	1967-04-15	168111143
moamed khaled	M	father	1975-12-21	169708046
moahmed ragab'	M	brother	1995-09-01	161409171
mohamed samir	M	father	1993-09-04	164903110
mohamed sayed	M	brother	1966-01-24	166009207
mohamed mohy	M	father	1975-06-26	163610127
mohamed walid	M	father	1990-11-30	166102185
moahmed mahmoud	M	father	1976-02-04	164601154
mahmoud zaki	M	brother	1989-03-25	164507046

Employee

e_ssn	e_name	e_address	e_salary	e_sex	e_Bdate
166010201	Tamir Sabet	14 El Mahrouki St., MOHANDSEEN	8738	M	1981-10-25
168603208	Dabbah Kamel	32 Rabah Al-Estethmary St.,, Nasr City	6667	M	1988-03-12
163511184	Khashifa Jalil	12 Amar Ibn Yasser St., Military Academy	8385	M	1986-09-25
162212160	Tasmeekh Hoque	138 Ramses Ext. 2 Bldg. infront of Back Door ...	4958	M	1995-08-10
167003299	Hussein Maroun	34 Obour Bldgs., NASR CITY	4142	M	1973-01-10
164704114	Rehan Wakim	1B, Messaha St.	9123	F	1967-08-12
160709162	Azeem Ameen	69 El-Nabi Daniel St., Ramleh Station	1278	M	1981-05-07
166309275	Nafay Younes	5 Ibn Iyas El-Masri St., GIZA	2098	F	1986-03-22
161104033	Qabil Salek	102 El Hegaz St., HELIOPOLIS	8262	M	1970-02-20
166311285	Andalah Nazar	45 Noubar St., DOWNTOWN	2956	F	1994-06-15
167507066	Aman Diab	4 Behler Passaoe. off Kasr El-Nile St.	6542	F	1980-01-03

Teacher

employee_ssn	years_of_expe	subject_name
166010201	12	science
168603208	10	social_studies
163511184	9	social_studies
164704114	7	science
161104033	22	arabic
167507066	17	math
164904222	14	science
168311105	16	social_studies
167812200	8	english
169011280	20	english
165906116	2	math
166010201	12	science

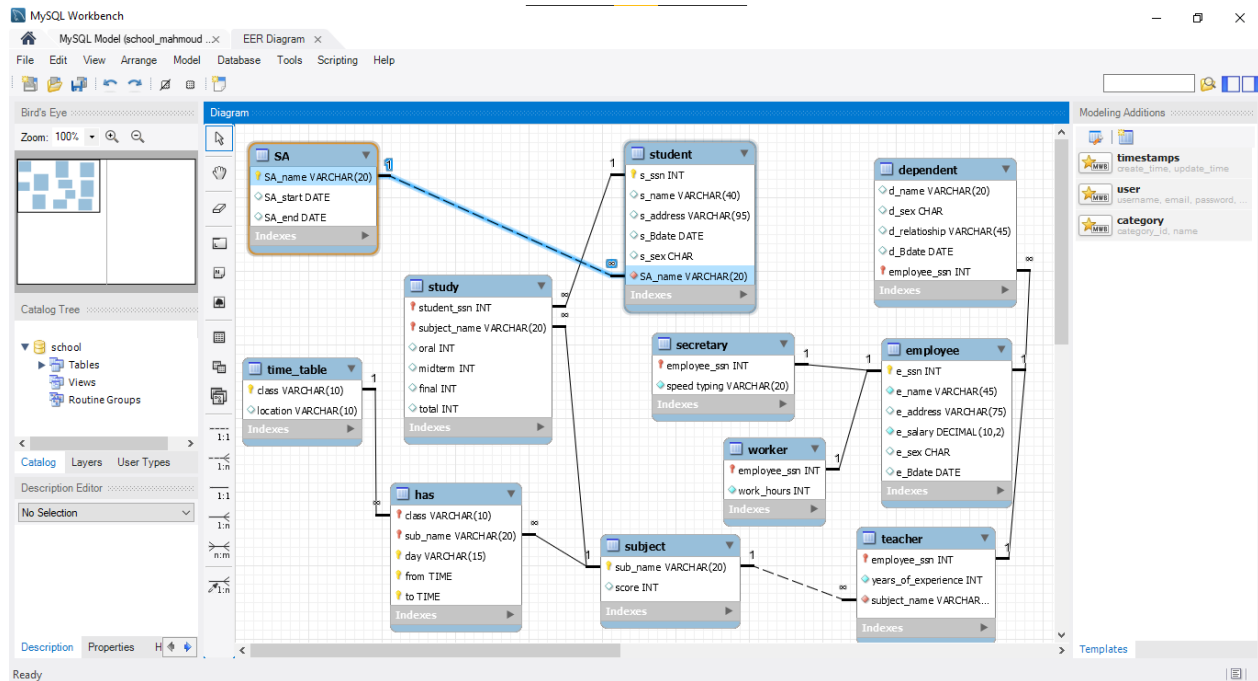
Worker

employee_ssn	work_hours
160709162	7
165412013	5
166610114	6
160511277	5
164509266	6
169108174	7
160109230	4

Secretary

employee_ssn	speed typing
166309275	30 w per m
166311285	24 w per m
165806050	50 w per m
NULL	NULL

Workbench Diagram



Results of query:

MySQL Workbench

MySQL Model (school_mahmoud ..x) EER Diagram x unconnected x test - Warning - not supported x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- companywithdata2
- phpmyadmin
- school
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Query 1

```
1 /*this query i used for displaying all employees and thier information*/
2 select * from employee;
3
4 /*this query is used for displaying all student and their information*/
5 select * from student;
6
7 /*this query is used for displaying the name of students and their birth date*/
8 select s.s_name , s.s_Bdate
9 from student s;
10
11 /*this query is used for displaying the name who lives in mohandeseen*/
12 select e.e name . e.e address from emolovee e where e.e address like '%mohandeseen%';
```

Result Grid

e_ssn	e_name	e_address	e_salary	e_sex	e_Bdate
160109230	mohamed abd elsalam	11 El Andalos St., HELIOPOLIS	1749.00	M	1983-12-28
160506177	mohamed aymam	14 Al El-Gendy St., off Mir & Sudan St	7824.00	M	1995-06-07
160511277	mohamed abd elaziz	49 Mir Helwan St, Cairo	2687.00	M	1993-06-08
160709162	Azeem Ameen	69 El-Nabi Daniel St., Ramlah Station	1278.00	M	1981-05-07
161104033	Qabl Salek	102 El Hegaz St., HELIOPOLIS	8262.00	M	1970-02-20
161207138	shimaa mohamed	56, 58 El Sabteya St. El Sabteya	6089.00	F	1984-01-06
161409046	aza samir	5 El Boustan El Saedy St., DOWNTOWN	4904.00	F	1989-03-07

employee 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	21:20:45	select * from student LIMIT 0, 1000	149 row(s) returned	0.016 sec / 0.000 sec
3	21:20:48	select * from employee LIMIT 0, 1000	45 row(s) returned	0.000 sec / 0.000 sec

Ready

MySQL Workbench

MySQL Model (school_mahmoud ..x) EER Diagram x unconnected x test - Warning - not supported x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- companywithdata2
- phpmyadmin
- school
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 - Views
 - Stored Procedures
 - Functions
- test

Query 1

```
1 /*this query i used for displaying all employees and thier information*/
2 sele Execute the statement under the keyboard cursor
3
4 /*this query is used for displaying all student and their information*/
5 select * from student;
6
7 /*this query is used for displaying the name of students and their birth date*/
8 select s.s_name , s.s_Bdate
9 from student s;
10
11 /*this query is used for displaying the name who lives in mohandeseen*/
12 select e.e name . e.e address from emolovee e where e.e address like '%mohandeseen%';
```

Result Grid

s_ssn	s_name	s_address	s_Bdate	s_sex	SA_name
445566100	Mohamed Mamdouh Ahmed Eid	44 Gamal El Din El Shayal St., NASR CITY,Cairo	2007-11-27	M	Cycling
445566101	Mohamed Mamdouh Ezat Aly	El-zeny tower 25 Mir Helwan Agri. Rd., MAADI...	2007-11-27	M	Pool
445566103	Mohamed Hany Gamal Mahmoud	17 Mahmoud Hassan St., 4th Area,Cairo	2007-11-27	M	Ping Pong
445566104	Mohamed Wael Reda Sayed	Shoubra St., El Mazalat,Cairo	2007-11-27	M	Volleyball
445566105	Mohamed Wael Mahmoud Ahmed	Court of Cassation Bldg. 26th July St., DOWNT...	2007-11-26	M	Running
445566106	Mohamed Waled Sayed Aly	2 Sabri Abu Alam St., 2nd Floor,Cairo	2007-11-26	M	Handball
445566107	Mohamed Waled Ezat Hassan	49 Noubra St., Bab El-Louk,Cairo	2007-11-26	M	Tennis

student 5 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	21:23:30	select s.s_name , s.s_Bdate from student s LIMIT 0, 1000	149 row(s) returned	0.000 sec / 0.000 sec
5	21:24:42	select * from student LIMIT 0, 1000	149 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySQL Model (school_mahmoud ..x) EER Diagram x unconnected x test - Warning - not supported x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- companywithdata2
- phpmyadmin
- school
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Query 1

```

1  /*this query i used for displaying all employees and thier information*/
2  select * from employee;
3
4  /*this query is used for displaying all student and their information*/
5  select * from student;
6
7  /*this query is used for displaying the name of students and their birth date*/
8  select s.s_name , s.s_Bdate
9  from student s;
10
11 /*this query is used for displaying the name who lives in mohandeseen*/
12 select e.e_name , e.e_address from employee e where e.e_address like '%mohandeseen%';

```

Result Grid

s_name	s_Bdate
Mohamed Mamdouh Ahmed Eid	2007-11-27
Mohamed Mamdouh Ezat Aly	2007-11-27
Mohamed Hany Gamal Mahmoud	2007-11-27
Mohamed Wael Reda Sayed	2007-11-27
Mohamed Wael Mahmoud Ahmed	2007-11-26
Mohamed Waleed Sayed Aly	2007-11-26
Mohamed Waleed Ezat Hassan	2007-11-26

student 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	21:20:48	select * from employee LIMIT 0, 1000	45 row(s) returned	0.000 sec / 0.000 sec
4	21:23:30	select s.s_name , s.s_Bdate from student s LIMIT 0, 1000	149 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySQL Model (school_mahmoud ..x) EER Diagram x unconnected x test - Warning - not supported x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- companywithdata2
- phpmyadmin
- school
 - Tables
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 - Stored Procedures
 - Functions
- test

Query 1

```

9  from student s;
10  /*this query is used for displaying the name who lives in mohandeseen*/
11  select e.e_name , e.e_address from employee e where e.e_address like '%mohandeseen%';
12
13  /*this query is used for displaying the employees and their dependents and the relationship*/
14  select e.e_name as employee_name , d.d_name as dependent , d.d_relationship as relationship
15  from employee e , dependent d;
16
17  /*this query is used for displaying student's score in each subject*/
18  select s.s_name as student_name , sc.total as subject_score
19  from student s , studv sc where s.s_ssn=sc.student_ssn;
20

```

Result Grid

e_name	e_address
aslam hassan	23 Shehab St., MOHANDESEN
Tamir Sabet	14 El Mahrouki St., MOHANDESEN

employee 6 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	21:24:42	select * from student LIMIT 0, 1000	149 row(s) returned	0.000 sec / 0.000 sec
6	21:25:02	select e.e_name , e.e_address from employee e where e.e_address like '%mohandeseen%'	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySQL Model (school_mahmoud ..x) EER Diagram x test (school) - Warning - not suppo..x unconnected x test (school) - Warning - not s..x unconnected x

File Edit View Query Database Server Tools Scripting Help

Navigator SCHEMAS

Filter objects

- companywithdata2
- phpmyadmin
- school
 - Tables
 - Views
 - Stored Procedures
 - Functions
 - test

Management Schemas

Information

Schema: school

Query 1 x

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2642
2643
2644
2645
2646
2647
2648
2649
2650
2651
2652
2653
2654
2655
2656
2657
2658
2659

```

MySQL Workbench

MySQL Model (school_mahmoud ...X) EER Diagram test (school) - Warning - not suppo...X unconnected test (school) - Warning - not s...X unconnected

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Query 1

```
14 /*this query is used for displaying each subject and it's total marks*/
15 sel
16 Execute the statement under the keyboard cursor
17 from subject s;
18
19 /*this query is used for displaying the summer activity that's available for the syudents and it's start date*/
20 select s.SA_name , s.SA_start
21 from sa s;
22
23 /*this query is used for displaying the total score of the student whose ssn is 445566771*/
24 select s.s_ssn , st.subject_name , st.oral , st.midterm , st.final , st.total
25 from student s , study st where s.s_ssn = '445566771' ;
26
27 /*this query is used for displaying the salary of the employee whose ssn is 168603208*/
```

Result Grid

s_ssn	subject_name	oral	midterm	final	total
445566771	arabic	9	10	58	77
445566771	english	9	10	39	58
445566771	math	8	10	38	56
445566771	science	5	5	30	40
445566771	social studies	4	4	29	37
445566771	arabic	9	9	58	77
445566771	english	8	9	39	56
445566771	math	9	9	38	56

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	22:00:53	select s.SA_name , s.SA_start from sa s LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
6	22:01:11	select s.s_ssn , st.subject_name , st.oral , st.midterm , st.final , st.total from student s , study ...	745 row(s) returned	0.063 sec / 0.000 sec

Query Completed

MySQL Workbench

MySQL Model (school_mahmoud ...X) EER Diagram test (school) - Warning - not suppo...X unconnected test (school) - Warning - not s...X unconnected

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Query 1

```
17
18 /*this query is used for displaying the summer activity that's available for the syudents and it's start date*/
19 select s.SA_name , s.SA_start
20 from sa s;
21
22 /*this query is used for displaying the total score of the student whose ssn is 445566771*/
23 select s.s_ssn , st.subject_name , st.oral , st.midterm , st.final , st.total
24 from student s , study st where s.s_ssn = '445566771' ;
25
26 /*this query is used for displaying the salary of the employee whose ssn is 168603208*/
27 select e.e_ssn , e.e_salary
28 from employee e where e.e_ssn='168603208';
29
```

Result Grid

e_ssn	e_salary
168603208	6667.00

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	22:01:36	select s.s_ssn , st.subject_name , st.oral , st.midterm , st.final , st.total from student s , study ...	745 row(s) returned	0.000 sec / 0.000 sec
9	22:01:39	select e.e_ssn , e.e_salary from employee e where e.e_ssn='168603208' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

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Query 1

```

11
12 /*this query is used for displaying the name who lives in mohandeseen*/
13 select e.e_name , e.e_address from employee e where e.e_address like '%mohandeseen%';
14
15 /*this query is used for displaying the employees and their dependents and the relationship*/
16 select e.e_name as employee_name , d.d_name as dependent , d.d_relationship as relationship
17 from employee e , dependent d;
18
19 /*this query is used for displaying student's score in each subject*/
20 select s.s_name as student_name , sc.total as subject_score
21 from student s , study sc where s.s_ssn=sc.student_ssn;

```

Result Grid

employee_name	dependent	relationship
mohamed abd elsalam	yasin amr	father
mohamed abd elsalam	mayada magdy	sister
mohamed abd elsalam	fatma fathy	mother
mohamed abd elsalam	fatma hassan	sister
mohamed abd elsalam	moahmed ragab	brother
mohamed abd elsalam	mena hassan	mother
mohamed abd elsalam	norhan ali	mother

Result 10 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	21:27:05	select s.s_name as student_name , sc.total as total_score from student s , study sc where s...	46 row(s) returned	0.000 sec / 0.000 sec
10	21:30:34	select e.e_name as employee_name , d.d_name as dependent , d.d_relationship as relations...	1000 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySql Model (school_mahmoud ..x) EER Diagram x unconnected x test - Warning - not supported x

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Query 1

```

11
12 /*this query is used for displaying the name who lives in mohandeseen*/
13 select e.e_name , e.e_address from employee e where e.e_address like '%mohandeseen%';
14
15 /*this query is used for displaying the employees and their dependents and the relationship*/
16 select e.e_name as employee_name , d.d_name as dependent , d.d_relationship as relationship
17 from employee e , dependent d;
18
19 /*this query is used for displaying student's score in each subject*/
20 select s.s_name as student_name , sc.total as subject_score
21 from student s , study sc where s.s_ssn=sc.student_ssn;
22
23 /*this query is used for displaying the time table for 1/3 class*/

```

Result Grid

student_name	subject_score
Mohamed Mamdouh Ahmed Eid	77
Mohamed Mamdouh Ahmed Eid	58
Mohamed Mamdouh Ahmed Eid	56
Mohamed Mamdouh Ahmed Eid	40
Mohamed Mamdouh Ahmed Eid	37
Mohamed Mamdouh Ezat Aly	77
Mohamed Mamdouh Ezat Aly	56

Result 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
12	21:37:52	select s.s_name as student_name , sc.total as subject_score from student s , study sc wher...	740 row(s) returned	0.000 sec / 0.000 sec
13	21:38:25	select s.s_name as student_name , sc.total as subject_score from student s , study sc wher...	740 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySql Model (school_mahmoud ...x) EER Diagram x unconnected x test - Warning - not supported x

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Query 1

```

18  /*this query is used for displaying student's score in each subject*/
19  select s.s_name as student_name , sc.total as subject_score
20  from student s, study sc where s.s_ssn=sc.student_ssn;
21
22  /*this query is used for displaying the time table for 1/3 class*/
23  select h.class as class , h.sub_name as 'subject' , h.day as 'day' , h.from , h.to
24  from has h where h.class='1/3' ;
25
26  /*this query is used for displaying the score of arabic midterm exam for all the students in class 2/2*/
27  select s.s_name as student_name , sc.midterm as midterm_score
28  from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='arabic';
29

```

Result Grid

class	subject	day	from	to
1/3	arabic	monday	09:30:00	11:00:00
1/3	arabic	tuesday	09:30:00	11:00:00
1/3	arabic	wednesday	09:30:00	11:00:00
1/3	break	monday	11:00:00	12:00:00
1/3	break	sunday	11:00:00	12:00:00
1/3	break	thursday	11:00:00	12:00:00
1/3	break	tuesday	11:00:00	12:00:00

has 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	21:39:07	select s.s_name as student_name , sc.total as subject_score from student s, study sc where s.s_ssn=sc.student_ssn;	740 row(s) returned	0.000 sec / 0.000 sec
16	21:39:10	select h.class as class , h.sub_name as 'subject' , h.day as 'day' , h.from , h.to from has h where h.class='1/3' ;	20 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySql Model (school_mahmoud ...x) EER Diagram x unconnected x test - Warning - not supported x

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Query 1

```

18  /*this query is used for displaying student's score in each subject*/
19  select s.s_name as student_name , sc.total as subject_score
20  from student s, study sc where s.s_ssn=sc.student_ssn;
21
22  /*this query is used for displaying the time table for 1/3 class*/
23  select h.class as class , h.sub_name as 'subject' , h.day as 'day' , h.from , h.to
24  from has h where h.class='1/3' ;
25
26  /*this query is used for displaying the score of arabic midterm exam for all the students in class 2/2*/
27  select s.s_name as student_name , sc.midterm as midterm_score
28  from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='arabic';
29

```

Result Grid

student_name	midterm_score
Mohamed Mamdouh Ahmed Eid	10
Mohamed Mamdouh Ezat Aly	9
Mohamed Hany Gamal Mahmoud	10
Mohamed Wael Reda Sayed	9
Mohamed Wael Mahmoud Ahmed	9
Mohamed Waleed Sayed Aly	8
Mohamed Waleed Ezat Hassan	9

Result 17 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
16	21:39:10	select h.class as class , h.sub_name as 'subject' , h.day as 'day' , h.from , h.to from has h where h.class='1/3' ;	20 row(s) returned	0.000 sec / 0.000 sec
17	21:39:28	select s.s_name as student_name , sc.midterm as midterm_score from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='arabic';	148 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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Query 1

```

28 from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='arabic';
29
30 /*this query is used for displaying the total score of students who got less than 5 in science oral exam*/
31 select s.s_name as student_name , sc.total as total_score
32 from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;
33
34 /*this query is used for displaying the sum of salaries of all subject's teachers*/
35 select t.subject_name , sum(e.e_salary) as sumsalary
36 from employee e , teacher t where e.e_ssn=t.employee_ssn group by t.subject_name;
37
38 /*this query is used for displaying the average total score of all the subjects*/
39 select avg(s.total) as avg_total_score , s.subject_name

```

Result Grid

student_name	total_score
Mohamed Wael Reda Sayed	38
Mohamed Waleed Sayed Aly	38
Mahmoud Ahmed Salem Aly	38
Mahmoud Hussein Ragab Ahmed	37
Mahmoud Handy Mohamed Aly	38
Mahmoud Mohamed Mahmoud Ibrahim	38
Mustafa Ibrahim Ismail Aly	38

Result 18

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	21:39:28	select s.s_name as student_name , sc.midterm as midterm_score from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;	148 row(s) returned	0.000 sec / 0.000 sec
18	21:39:48	select s.s_name as student_name , sc.total as total_score from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;	46 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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Query 1

```

32 from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;
33
34 /*this query is used for displaying the sum of salaries of all subject's teachers*/
35 select t.subject_name , sum(e.e_salary) as sumsalary
36 from employee e , teacher t where e.e_ssn=t.employee_ssn group by t.subject_name;
37
38 /*this query is used for displaying the average total score of all the subjects*/
39 select avg(s.total) as avg_total_score , s.subject_name
40 from study s group by s.subject_name;
41
42 /*this query is used for displaying the each employee name and his/her dependent name*/
43 select e.e_name , d.d_name

```

Result Grid

subject_name	sumsalary
arabic	23641.00
english	22315.00
math	12794.00
science	33885.00
social_studies	24812.00

Result 21

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	21:40:29	select s.s_name as student_name , sc.total as total_score from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;	46 row(s) returned	0.000 sec / 0.000 sec
21	21:40:34	select t.subject_name , sum(e.e_salary) as sumsalary from employee e , teacher t where e.e_ssn=t.employee_ssn group by t.subject_name;	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

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Query 1

```

32 from student s, study sc where s.s_ssn=sc.student_ssn and sc.subject_name='science' and sc.oral < 5 ;
33
34 /*this query is used for displaying the sum of salaries of all subject's teachers*/
35 select t.subject_name , sum(e.e_salary) as salsalary
36 from employee e , teacher t where e.e_ssn=t.employee_ssn group by t.subject_name;
37
38 /*this query is used for displaying the average total score of all the subjects*/
39 select avg(s.total) as avg_total_score , s.subject_name
40 from study s group by s.subject_name;
41
42 /*this query is used for displaying the each employee name and his/her dependent name*/
43 select e.e_name , d.d_name

```

Result Grid

avg_total_score	subject_name
76.4899	arabic
57.0940	english
57.0604	math
38.9128	science
38.6040	social studies

Result 22 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	21:40:34	select t.subject_name , sum(e.e_salary) as salsalary from employee e , teacher t where e.e...	5 row(s) returned	0.000 sec / 0.000 sec
22	21:40:52	select avg(s.total) as avg_total_score , s.subject_name from study s group by s.subject_na...	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

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Query 1

```

37
38 /* Execute the statement under the keyboard cursor to page total score of all the subjects*/
39 select avg(s.total) as avg_total_score , s.subject_name
40 from study s group by s.subject_name;
41
42 /*this query is used for displaying the each employee name and his/her dependent name*/
43 select e.e_name , d.d_name
44 from employee e left outer join dependent d on
45 e.e_ssn=d.employee_ssn;
46
47 /*this query is used for displaying the sum of students in each summer activity sport*/
48 select count(s.s_name) , a.SA name as summer activity

```

Result Grid

e_name	d_name
mohamed abd elislam	NA
mohamed ayman	yasin amr
mohamed abd elaziz	mayada magdy
Azeem Ameen	NA
Qabil Salek	NA
shimaa mohamed	NA
aza samir	fatma fathy

Result 24 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	21:41:13	select avg(s.total) as avg_total_score , s.subject_name from study s group by s.subject_na...	5 row(s) returned	0.000 sec / 0.000 sec
24	21:41:17	select e.e_name , d.d_name from employee e left outer join dependent d on e.e_ssn=d.empl...	45 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

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Query 1

```

42  /*this query is used for displaying the each employee name and his/her dependent name*/
43  select
44  from employee e, employee_dependent d on
45  e.e_ssn=d.employee_ssn;
46
47  /*this query is used for displaying the sum of students in each summer activity sport*/
48  select count(s.s_name) , a.SA_name as summer_activity
49  from student s , sa a group by a.SA_name;
50
51  /*this query is used for displaying the minimum and the maximum and the average salaries of the employee*/
52  select min(e.e_salary) , max(e.e_salary) , avg(e.e_salary)
53  from employee e;

```

Result Grid

count(s.s_name)	summer_activity
149	Basketball
149	Cycling
149	Football
149	Handball
149	Netball
149	Ping Pong
149	Pool

Result 26 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	21:41:44	select e.e_name , d.d_name from employee e left outer join dependent d on e.e_ssn=d.empl...	45 row(s) returned	0.015 sec / 0.000 sec
26	21:41:48	select count(s.s_name) , a.SA_name as summer_activity from student s , sa a group by a.SA...	10 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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Query 1

```

45  e.e_ssn=d.employee_ssn;
46
47  /*this query is used for displaying the sum of students in each summer activity sport*/
48  select count(s.s_name) , a.SA_name as summer_activity
49  from student s , sa a group by a.SA_name;
50
51  /*this query is used for displaying the minimum and the maximum and the average salaries of the employee*/
52  select min(e.e_salary) , max(e.e_salary) , avg(e.e_salary)
53  from employee e;
54
55  /*this query is used for displaying the employee who get salary between 5000 and 7000 */
56  select e.e_name , e.e_salary

```

Result Grid

min(e.e_salary)	max(e.e_salary)	avg(e.e_salary)
607.00	9935.00	5697.555556

Result 27 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
26	21:41:48	select count(s.s_name) , a.SA_name as summer_activity from student s , sa a group by a.SA...	10 row(s) returned	0.000 sec / 0.000 sec
27	21:42:07	select min(e.e_salary) , max(e.e_salary) , avg(e.e_salary) from employee e LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

MySQL Workbench

MySql Model (school_mahmoud ..x) EER Diagram x test (school) - Warning - not s... x unconnected x test (school) - Warning - not suppo..x

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Query 1 x

```

64  /*this query is used for displaying the minimum and the maximum and the average salaries of the employee*/
65  select min(e.e_salary) , max(e.e_salary) , avg(e.e_salary)
66  from employee e;
67
68  /*this query is used for displaying the employee who get salary between 5000 and 7000 */
69  select e.e_name , e.e_salary
70  from employee e where e.e_salary between 5000 and 7000;
71
72  /*this query is used for displaying teacher's name and his subject*/
73  select e.e_name as teacher_name , t.subject_name
74  from employee e join teacher t on(e.e_ssn=t.employee_ssn);
75

```

Result Grid

e_name	e_salary
shimaa mohamed	6089.00
aslam ali	6246.00
karem alaa mohamed	5970.00
sara mohamed	6089.00
karem ali	6131.00
rahma hamada	6252.00
aslam hassan	6468.00

employee 32 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
31	21:52:19	select min(e.e_salary) , max(e.e_salary) , avg(e.e_salary) from employee e LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
32	21:52:35	select e.e_name , e.e_salary from employee e where e.e_salary between 5000 and 7000	12 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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Query 1 x

```

55  /*this query is used for displaying the employee who get salary between 5000 and 7000 */
56  select e.e_name , e.e_salary
57  from employee e where e.e_salary between 5000 and 7000;
58
59  /*this query is used for displaying teacher's name and his subject*/
60  select e.e_name as teacher_name , t.subject_name
61  from employee e join teacher t on(e.e_ssn=t.employee_ssn);
62
63  /*this query is used for displaying the name of students who got total score more than the average score in english*/
64  select s.s_name as student_name , st.total as total_score
65  from student s , study st where st.total > (select avg(st.total) from study st where st.subject_name = 'english');
66

```

Result Grid

student_name	total_score
Mohamed Mamdouh Ahmed Eid	77
Mohamed Mamdouh Ezat Aly	77
Mohamed Hany Gamal Mahmoud	77
Mohamed Wael Reda Sayed	77
Mohamed Wael Mahmoud Ahmed	77
Mohamed Waled Sayed Aly	77
Mohamed Waled Ezat Hassan	77

Result 29 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	21:42:46	select e.e_name as teacher_name , t.subject_name from employee e join teacher t on(e.e_s...	15 row(s) returned	0.000 sec / 0.000 sec
29	21:43:14	select s.s_name as student_name , st.total as total_score from student s , study st where st...	1000 row(s) returned	0.000 sec / 0.000 sec

Query Completed