

## **Project Name : Gym Management System**

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**: Group Members :**

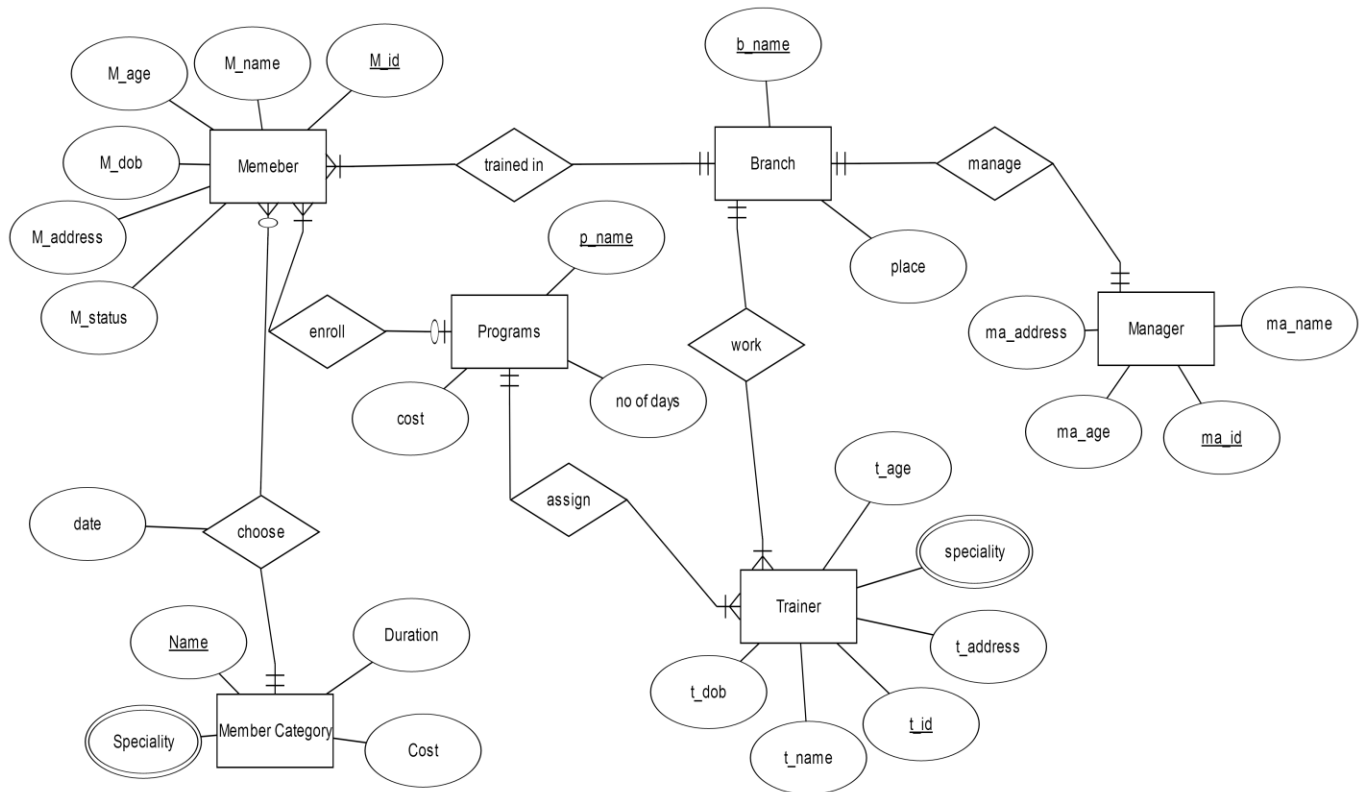
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## Gym Management System

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- “SlimFit Health Gym” have more than one **Branch** (b\_name,place) in the city.
- In each Branch there will be one **Manager** (ma\_id, ma\_name, ma\_age, ma\_address) who will manage and take care of member enroll, trainer assign, fee collection and the branch monitoring
- In each Branch , will work one or many **Trainer**(t\_id, t\_name, t\_age, t\_dob, t\_address,speciality) but each Trainer will work under one Branch. He/She has to submit application if he/she wants to change Branch .
- Each **Member**(m\_id, m\_name, m\_age, m\_dob, m\_address, m\_status) will be trained in one particular Branch and enrolled under one Program. If a member wont pay his membership fee within 7days after expire day of membership then his/her status will migrated in Inactive and wont be allowed in the gym untill clearing the due.
- Gym will offer several **Program**(p\_name, no of days, cost) with different duration and cost (e.g: Fast Shredded, BodyBuilding will cost 15000BDT for 4 months, Endurance & Flexibility will cost 6999BDT for 3 months, Normal Workout 2000BDT/month etc).
- Each Trainer will be assigned in one program only and under each Program there will be several Trainer. Trainer will track of his/her assigned trainee progress .
- “SlimFit Health Gym” will have some privilege in different Member Catagory which is catagorized based on payment duration (e.g: member who will pay 3 month basis , will promote to Gold membership and will get free Steam Bath facility).Each Member will choose one prefered **Member Catagory**(name, cost, duration, speciality) and under one catagory there can have no Member



## Normalization:

### 1. Trained in:

UNF: m\_id , m\_name, m\_age, m\_dob, m\_address, m\_status, b\_name, place.

1NF: m\_id, b\_name , m\_name, m\_age, m\_dob, m\_address, m\_status, place.

2NF: 1st: m\_id, m\_name, m\_dob, m\_address, m\_status, b\_name.

2nd: b\_name, palce.

3NF: Same as 2NF.

### 2. Manage:

UNF : b\_name, place, ma\_address, ma\_id, ma\_name, ma\_age.

1NF: b\_name, ma\_id, place, ma\_address, ma\_name, ma\_age.

2NF: 1St: b\_name, place

2nd: ma\_id, ma\_name, ma\_age, ma\_address, b\_name.

3NF: Same as 2NF.

### 3. Assign:

UNF: t\_id , t\_name , t\_dob , t\_address , t\_age , speciality , p\_name , no of days , cost .

1NF: t\_id , p\_name , speciality , t\_name , t\_dob , t\_address , t\_age , no of days , cost .

2NF: 1st: T\_id, T\_name, T\_dob, T\_address, T\_age, P¬\_name.

2nd: t\_id , speciality .

3rd: p\_name , no of days , cost .

3NF: Same as 2NF.

### 4. Enroll:

UNF : p\_name, no of days, cost, m\_id, m\_name, m\_dob ,m\_address, m\_status.

1NF: p\_name, m\_id, no of days, cost, m\_name, m\_dob , m\_address, m\_status.

2NF: 1st: p\_name , no of days, cost.

2nd: M\_id, M\_name, M\_dob, M\_address, M\_status , p\_name.

3NF: Same as 2NF.

5. Choose:

UNF: M\_id, M\_name, M\_dob, M\_address ,M\_status, Name, Date, duration, cost, Speciality

1NF: M\_id, Name , Speciality , M\_name, M\_dob, M\_address, M\_status, Date, duration,  
cost,

2NF: 1st: M\_id, M\_name, M\_dob, M\_address, M\_status, Name

2nd: Name, duration, cost.

3rd: Name , Speciality.

4th: M\_id, Name, date.

3NF: Same as 2NF.

6. Work:

UNF: b\_name,place, t\_id, t\_age, t\_name, t\_dob, t\_address, speciality.

1NF: b\_name, t\_id , speciality ,place, t\_age, t\_name, t\_dob, t\_address.

2NF: 1st: b\_name, place

2nd: t\_id, speciality.

3rd: t\_id, t\_age, t\_dob, t\_name, t\_address, b\_name.

3NF: Same as 2NF.

Final Table:

1. M\_id, M\_name, M\_dob, M\_address, M\_status, B\_name ;

2. B\_name, Palce ;

3. Ma\_id, Ma\_name, Ma\_age, Ma\_address, B\_name ;
4. T\_id, T\_name, T\_dob, T\_address, T\_age, P\_name ;
5. T\_id, Speciality ;
6. P\_name, No of Days, Cost ;
7. M\_id, M\_name, M\_dob, M\_address, M\_status , P\_name ;
8. M\_id, M\_name, M\_dob, M\_address, M\_status, Name ;
9. Name, Duration , Cost ;
10. M\_id, Name, date ;
11. Name , Speciality ;
12. T\_id, T\_age, T\_dob, T\_name, T\_address, B\_name ;

# Table Create:

## 1.BRANCH :

The screenshot displays the Oracle SQL Developer application. The top toolbar includes icons for file operations and a status bar showing the user as 'SYSTEM'. The main window is titled 'SQL Commands' and contains the following SQL script:

```
create table Branch(B_name varchar2(25) constraint pk_Branch primary key,place varchar2(30));  
describe Branch;
```

Below the script, the 'Results' tab is active, showing the table structure for 'BRANCH'.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BRANCH	B_NAME	Varchar2	25	-	-	1	-	-	-
	PLACE	Varchar2	30	-	-	-	✓	-	-

The bottom status bar indicates the application version 'Application Express 2.1.0.00.39' and the copyright 'Copyright © 1999, 2006, Oracle. All rights reserved.'.

## 2.MEMBER :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL code:

```
create table Member(M_id number(5) constraint pk_Member primary key, M_name varchar2(20),M_age number(5),M_dob varchar2(20),M_address varchar2(40),M_status varchar2(40),B_name varchar2(25)constraint fk_Member references branch);  
  
describe Member;
```

The Results tab displays the table structure for the MEMBER table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER	M_ID	Number	-	5	0	1	-	-	-
	M_NAME	Varchar2	20	-	-	-	✓	-	-
	M_AGE	Number	-	5	0	-	✓	-	-
	M_DOB	Varchar2	20	-	-	-	✓	-	-
	M_ADDRESS	Varchar2	40	-	-	-	✓	-	-
	M_STATUS	Varchar2	40	-	-	-	✓	-	-
	B_NAME	Varchar2	25	-	-	-	✓	-	-
1 - 7									

The bottom of the window shows the Windows taskbar with the time 10:00 PM on 8/15/2018.

## 3.MANAGER :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL code:

```
create table Manager(Ma_id number(5)constraint pk_Manager primary key,Ma_name varchar(20),Ma_age Number(5),Ma_address varchar(30),B_name varchar2(25) constraint fk_Manager references Branch);  
  
Describe Manager;
```

The Results tab displays the table structure for the MANAGER table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER	MA_ID	Number	-	5	0	1	-	-	-
	MA_NAME	Varchar2	20	-	-	-	✓	-	-
	MA_AGE	Number	-	5	0	-	✓	-	-
	MA_ADDRESS	Varchar2	30	-	-	-	✓	-	-
	B_NAME	Varchar2	25	-	-	-	✓	-	-
1 - 5									

The bottom of the window shows the Windows taskbar with the time 10:05 PM on 8/15/2018.



#### 4.PROGRAM :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following code:

```
create table Program(P_name varchar2(100) constraint pk_Program primary key, number of days varchar2(30), Cost float(20));  
Describe Program;
```

The Results tab displays the table structure for the PROGRAM table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PROGRAM	P_NAME	Varchar2	100	-	-	1	-	-	-
	NUMBER_OF_DAYS	Varchar2	30	-	-	-	✓	-	-
	COST	Float	22	20	-	-	✓	-	-
1 - 3									

The bottom of the window shows the Windows taskbar with the date and time as 10:14 PM on 8/15/2018.

#### 5. TRAINER :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following code:

```
create table Trainer(T_id number(5) constraint pk_Trainer primary key, T_name varchar2(20), T_age Number(5), T_dob varchar2(20), T_address varchar2(30), P_name varchar2(100) constraint fk_Trainer references program);  
Describe Trainer;
```

The Results tab displays the table structure for the TRAINER table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRAINER	T_ID	Number	-	5	0	1	-	-	-
	T_NAME	Varchar2	20	-	-	-	✓	-	-
	T_AGE	Number	-	5	0	-	✓	-	-
	T_DOB	Varchar2	20	-	-	-	✓	-	-
	T_ADDRESS	Varchar2	30	-	-	-	✓	-	-
	P_NAME	Varchar2	100	-	-	-	✓	-	-
1 - 6									

The bottom of the window shows the Windows taskbar with the date and time as 10:16 PM on 8/15/2018.

## 6. TRAINER\_1 :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL Commands window contains the following code:

```
create table Trainer_1(Speciality varchar2(100)constraint pk_Trainer_1 primary key,T_id number(5)constraint fk_Trainer_1 references trainer);  
Describe Trainer_1;
```

The Results tab shows the table structure for TRAINER\_1:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRAINER_1	SPECIALITY	Varchar2	100	-	-	1	-	-	-
	T_ID	Number	-	5	0	-	✓	-	-
									1 - 2

The bottom of the window shows the Windows taskbar with the date and time 10:20 PM 8/15/2018.

## 7. MEMBER\_1 :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL Commands window contains the following code:

```
create table Member_1(M_id number(5) constraint pk_Member_1 primary key, M_name varchar2(20), M_age number(5), M_dob varchar2(20), M_address  
varchar2(40), M_status varchar2(40), P_name varchar2(100)constraint fk_Member_1 references program);  
Describe Member_1;
```

The Results tab shows the table structure for MEMBER\_1:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER_1	M_ID	Number	-	5	0	1	-	-	-
	M_NAME	Varchar2	20	-	-	-	✓	-	-
	M_AGE	Number	-	5	0	-	✓	-	-
	M_DOB	Varchar2	20	-	-	-	✓	-	-
	M_ADDRESS	Varchar2	40	-	-	-	✓	-	-
	M_STATUS	Varchar2	40	-	-	-	✓	-	-
	P_NAME	Varchar2	100	-	-	-	✓	-	-
									1 - 7

The bottom of the window shows the Windows taskbar with the date and time 10:24 PM 8/15/2018.

## 8.MEMBER\_CATAGORY :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL code:

```
create table Member_catagory(name varchar2(30)constraint pk_Member_catagory primary key,duration varchar2(100),cost float);  
  
Describe Member_Catagory;
```

The Results tab shows the table structure for MEMBER\_CATAGORY:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER_CATAGORY	NAME	Varchar2	30	-	-	1	-	-	-
	DURATION	Varchar2	100	-	-	-	✓	-	-
	COST	Float	22	126	-	-	✓	-	-
1 - 3									

The interface also shows the user is SYSTEM, the language is en-us, and the application is Oracle Database Express Edition 2.1.0.00.39.

## 9.MEMBER\_2 :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL code:

```
create table Member_2(M_id number(5) constraint pk_Member_2 primary key, M_name varchar2(20), M_age number(5),M_dob varchar2(20),M_address  
varchar2(40),M_status varchar2(40),name varchar2(30)constraint fk_Member_2 references Member_catagory);  
  
Describe Member_2;
```

The Results tab shows the table structure for MEMBER\_2:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER_2	M_ID	Number	-	5	0	1	-	-	-
	M_NAME	Varchar2	20	-	-	-	✓	-	-
	M_AGE	Number	-	5	0	-	✓	-	-
	M_DOB	Varchar2	20	-	-	-	✓	-	-
	M_ADDRESS	Varchar2	40	-	-	-	✓	-	-
	M_STATUS	Varchar2	40	-	-	-	✓	-	-
	NAME	Varchar2	30	-	-	-	✓	-	-
1 - 7									

The interface also shows the user is SYSTEM, the language is en-us, and the application is Oracle Database Express Edition 2.1.0.00.39.

## 10.MEMBER\_CATAGORY\_2 :

SQL Commands | notepad.pw / mynotepad | 127.0.0.1:8080/apex/f?p=4500:1003:1739112226110424::NO:1003::

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
create table Member_catagory_2(Speciality varchar2(1000)constraint pk_Member_catagory_2 primary key,name varchar2(30)constraint
fk_Member_catagory_2 references Member_catagory);
Describe Member_Catagory_2;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MEMBER\_CATAGORY\_2

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER_CATAGORY_2	SPECIALITY	Varchar2	1000	-	-	1	-	-	-
	NAME	Varchar2	30	-	-	-	✓	-	-
									1 - 2

Language: en-us Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved. 10:33 PM 8/15/2018

## 11.TRAINER\_2 :

SQL Commands | notepad.pw / mynotepad | 127.0.0.1:8080/apex/f?p=4500:1003:1739112226110424::NO:1003::

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
create table Trainer_2(T_id number(5) constraint pk_Trainer_2 primary key,T_name varchar2(20),T_age Number(5),T_dob varchar2(20),T_address
varchar2(30),B_name varchar2(25)constraint fk_Trainer_2 references branch);
Describe Trainer_2;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object TRAINER\_2

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRAINER_2	T_ID	Number	-	5	0	1	-	-	-
	T_NAME	Varchar2	20	-	-	-	✓	-	-
	T_AGE	Number	-	5	0	-	✓	-	-
	T_DOB	Varchar2	20	-	-	-	✓	-	-
	T_ADDRESS	Varchar2	30	-	-	-	✓	-	-
	B_NAME	Varchar2	25	-	-	-	✓	-	-
									1 - 6

Language: en-us Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved. 10:36 PM 8/15/2018

## 12.MEMBER\_3 :

The screenshot shows the Oracle Database Express Edition interface. The top navigation bar includes "Home", "Logout", and "Help". The user is logged in as "SYSTEM". The breadcrumb trail is "Home > SQL > SQL Commands".

In the "SQL Commands" panel, the following SQL commands are entered:

```
create table Member_3(M_id number(5) constraint pk_Member_3 primary key,name varchar2(30)constraint fk_Member_3 references Member_category,Hiredate varchar2(30)) ;  
Describe Member 3;
```

The "Describe" button is highlighted in the "Results Explain Describe Saved SQL History" tab. Below the tab, the object type is "TABLE" and the object name is "MEMBER\_3".

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MEMBER_3	M_ID	Number	-	5	0	1	-	-	-
	NAME	Varchar2	30	-	-	-	✓	-	-
	HIREDATE	Varchar2	30	-	-	-	✓	-	-
									1 - 3

The bottom status bar shows "Language: en-us", "Application Express 2.1.0.00.39", "Copyright © 1999, 2006, Oracle. All rights reserved.", and the system clock "10:39 PM 8/15/2018".

## Table Data Insert:

### 1.BRANCH :

The screenshot shows the Oracle Database Express Edition SQL Command window. The user is logged in as SYSTEM. The SQL command entered is `select * from branch;`. The results are displayed in a table with two columns: B\_NAME and PLACE. The results show 5 rows of data. The status bar indicates that 5 rows were returned in 0.03 seconds. The application is Oracle Application Express 2.1.0.00.39, and the copyright is 1999, 2006, Oracle. All rights reserved.

Oracle Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
select * from branch;
```

Results Explain Describe Saved SQL History

B_NAME	PLACE
Slim_Fit_Health_Gym	Uttara_1
Slim_Fit_Health_Gym2	Uttara_2
Slim_Fit_Health_Gym3	Uttara_3
Slim_Fit_Health_Gym4	Uttara_4
Slim_Fit_Health_Gym5	Uttara_5

5 rows returned in 0.03 seconds [CSV Export](#)

Application Express 2.1.0.00.39  
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## 2.MEMBER :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query `select * from Member;`. The results table displays 5 rows of data for the 'Member' table.

M_ID	M_NAME	M_AGE	M_DOB	M_ADDRESS	M_STATUS	B_NAME
1	Borhan	22	01-01-1996	Bosundhora	Active	Slim_Fit_Health_Gym
2	Manik	23	01-01-1995	Khilkhet	Active	Slim_Fit_Health_Gym2
3	Monim	20	01-01-1998	Kuratoli	Active	Slim_Fit_Health_Gym3
4	Taohid	22	01-01-1996	Uttara	Active	Slim_Fit_Health_Gym4
5	Protic	24	01-01-1994	Mohakhli	Active	Slim_Fit_Health_Gym5

5 rows returned in 0.00 seconds [CSV Export](#)

## 3.MANAGER :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query `select * from Manager;`. The results table displays 5 rows of data for the 'Manager' table.

MA_ID	MA_NAME	MA_AGE	MA_ADDRESS	B_NAME
11	Salam	25	Dhaka	Slim_Fit_Health_Gym
12	Jabbar	26	Chandpur	Slim_Fit_Health_Gym2
13	Borkat	27	Khulna	Slim_Fit_Health_Gym3
14	Rofiq	25	Dinajpur	Slim_Fit_Health_Gym4
15	Selim	26	Rajshahi	Slim_Fit_Health_Gym5

5 rows returned in 0.02 seconds [CSV Export](#)

#### 4.PROGRAM :

The screenshot shows the Oracle Database Express Edition interface. The user is logged in as SYSTEM. The SQL Command window contains the query: `select *from program;`. The query has been executed, and the results are displayed in a table with 5 rows. The table has columns: P\_NAME, NUMBER\_OF\_DAYS, and COST. The results are as follows:

P_NAME	NUMBER_OF_DAYS	COST
Fast Shreded & BodyBuilding	4_Month	15000
BodyBuilding	4_Month	10000.5
Endurance & Flexibility	3_Month	6999.99
Flexibility	3_Month	4999.98
Normal Workout	1_Month	2000

5 rows returned in 0.00 seconds. A [CSV Export](#) link is available. The interface also shows the Oracle logo, navigation links (Home, Logout, Help), and the application version (Application Express 2.1.0.00.39).

#### 5.TRAINER :

The screenshot shows the Oracle Database Express Edition interface. The user is logged in as SYSTEM. The SQL Command window contains the query: `select * from trainer;`. The query has been executed, and the results are displayed in a table with 5 rows. The table has columns: T\_ID, T\_NAME, T\_AGE, T\_DOB, T\_ADDRESS, and P\_NAME. The results are as follows:

T_ID	T_NAME	T_AGE	T_DOB	T_ADDRESS	P_NAME
21	Rahim	24	01-01-1994	Khulna	Fast Shreded & BodyBuilding
22	Karim	25	01-01-1993	Dhaka	BodyBuilding
23	Abdur	23	01-01-1995	Barisal	Endurance & Flexibility
24	Rahman	24	01-01-1994	Pabna	Flexibility
25	Rasel	23	01-01-1995	Silimuri	Normal Workout

5 rows returned in 0.02 seconds. A [CSV Export](#) link is available. The interface also shows the Oracle logo, navigation links (Home, Logout, Help), and the application version (Application Express 2.1.0.00.39).



## 6. TRAINER\_1 :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query `select * from Trainer_1;`. The Results window displays the following data:

SPECIALITY	T_ID
Chinese tycoon	21
Mix Martial Art	22
Cupling Expert	23
Bodybuilding	24
Nutrition Specialist	25

5 rows returned in 0.02 seconds [CSV Export](#)

## 7. MEMBER\_1 :

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the query `select * from Member_1;`. The Results window displays the following data:

M_ID	M_NAME	M_AGE	M_DOB	M_ADDRESS	M_STATUS	P_NAME
1	Borhan	22	01-01-1996	Bosundhora	Active	Fast Shredded & BodyBuilding
2	Manik	23	01-01-1995	Khilkhet	Active	BodyBuilding
3	Monim	20	01-01-1998	Kuratoli	Active	Endurance & Flexibility
4	Taohid	22	01-01-1996	Uttara	Active	Flexibility
5	Protic	24	01-01-1994	Mohakhli	Active	Normal Workout

5 rows returned in 0.00 seconds [CSV Export](#)

## 8.MEMBER\_CATAGORY :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is `select * from Member_catagory;`. The results are displayed in a table with 5 rows.

NAME	DURATION	COST
Silver	1 month	3000
Gold	3 month	6000
Platinum	6 month	11000
Platinum Plus	12 month	20000
Tester	1 day	200

5 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39  
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## 9.MEMBER\_2 :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is `select * from Member_2;`. The results are displayed in a table with 5 rows.

M_ID	M_NAME	M_AGE	M_DOB	M_ADDRESS	M_STATUS	NAME
1	Borhan	22	01-01-1996	Bosundhora	Active	Silver
2	Manik	23	01-01-1995	Khilkhet	Active	Gold
3	Monim	20	01-01-1998	Kuratoli	Active	Platinum
4	Taohid	22	01-01-1996	Uttara	Active	Platinum Plus
5	Protic	24	01-01-1994	Mohakhli	Active	Tester

5 rows returned in 0.04 seconds [CSV Export](#)

Application Express 2.1.0.00.39  
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## 10.MEMBER\_CATAGORY\_2 :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is `select * from Member_catagory_2;`. The results are displayed in a table with two columns: SPECIALITY and NAME. There are 5 rows returned in 0.00 seconds. The interface includes a top navigation bar with Home, Logout, and Help links. The bottom status bar shows the application version (2.1.0.00.39) and the date (8/15/2018).

SPECIALITY	NAME
T-shirt,Key Ring,Bag	Silver
Free Stream Bath	Gold
free Stream Bath n Spa	Platinum
Gym kit,free Stream Bath n spa,Protein shake	Platinum Plus
T-shirt	Tester

5 rows returned in 0.00 seconds [CSV Export](#)

## 11.TRAINER\_2 :

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is `select * from trainer_2;`. The results are displayed in a table with six columns: T\_ID, T\_NAME, T\_AGE, T\_DOB, T\_ADDRESS, and B\_NAME. There are 5 rows returned in 0.00 seconds. The interface includes a top navigation bar with Home, Logout, and Help links. The bottom status bar shows the application version (2.1.0.00.39) and the date (8/15/2018).

T_ID	T_NAME	T_AGE	T_DOB	T_ADDRESS	B_NAME
21	Rahim	24	01-01-1994	Khulna	Slim_Fit_Health_Gym
22	Karim	25	01-01-1993	Dhaka	Slim_Fit_Health_Gym2
23	Abdur	23	01-01-1995	Barisal	Slim_Fit_Health_Gym3
24	Rahman	24	01-01-1994	Pabna	Slim_Fit_Health_Gym4
25	Rasel	23	01-01-1995	Silimuri	Slim_Fit_Health_Gym5

5 rows returned in 0.00 seconds [CSV Export](#)

## 12.MEMBER\_3 :

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL: 127.0.0.1:8080/apex/f?p=4500:1003:1739112226110424::NO:1003::. The page title is "ORACLE Database Express Edition". The user is logged in as "SYSTEM". The breadcrumb navigation shows "Home > SQL > SQL Commands". The SQL Commands window has a checkbox for "Autocommit" and a "Display" dropdown set to "10". The SQL query entered is "select \* from Member\_3;". The "Run" button is visible. Below the query, the "Results" tab is selected, showing a table with 5 rows. The table columns are "M\_ID", "NAME", and "HIREDATE". The data rows are: 1 Silver 01-MAY-18, 2 Gold 17-FEB-18, 3 Platinum 17-NOV-17, 4 Platinum Plus 11-DEC-17, and 5 Tester 29-DEC-17. Below the table, it says "5 rows returned in 0.00 seconds" and there is a "CSV Export" link. The footer shows "Application Express 2.1.0.00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved." The Windows taskbar at the bottom shows the time as 10:40 PM on 8/15/2018.

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:1739112226110424::NO:1003::

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

select \* from Member\_3;

Results Explain Describe Saved SQL History

M_ID	NAME	HIREDATE
1	Silver	01-MAY-18
2	Gold	17-FEB-18
3	Platinum	17-NOV-17
4	Platinum Plus	11-DEC-17
5	Tester	29-DEC-17

5 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39  
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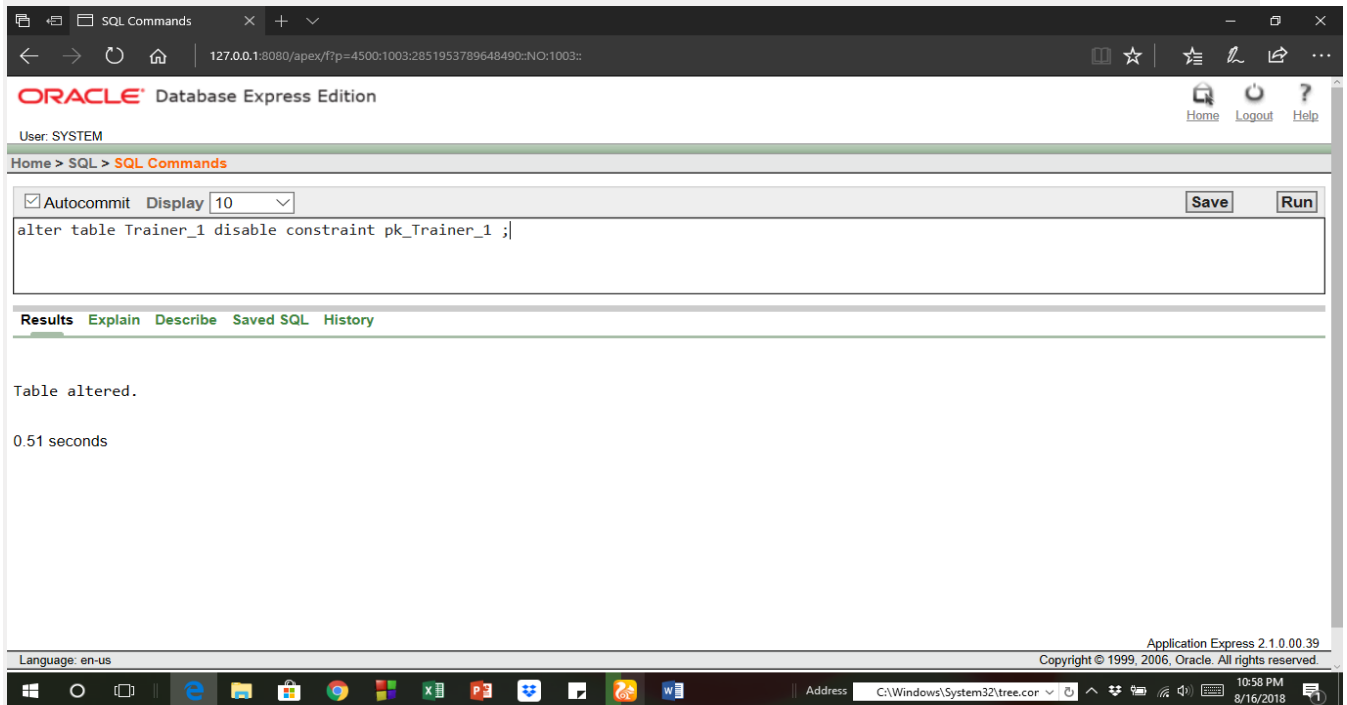
Language: en-us

Address C:\Windows\System32\tree.cor

10:40 PM  
8/15/2018

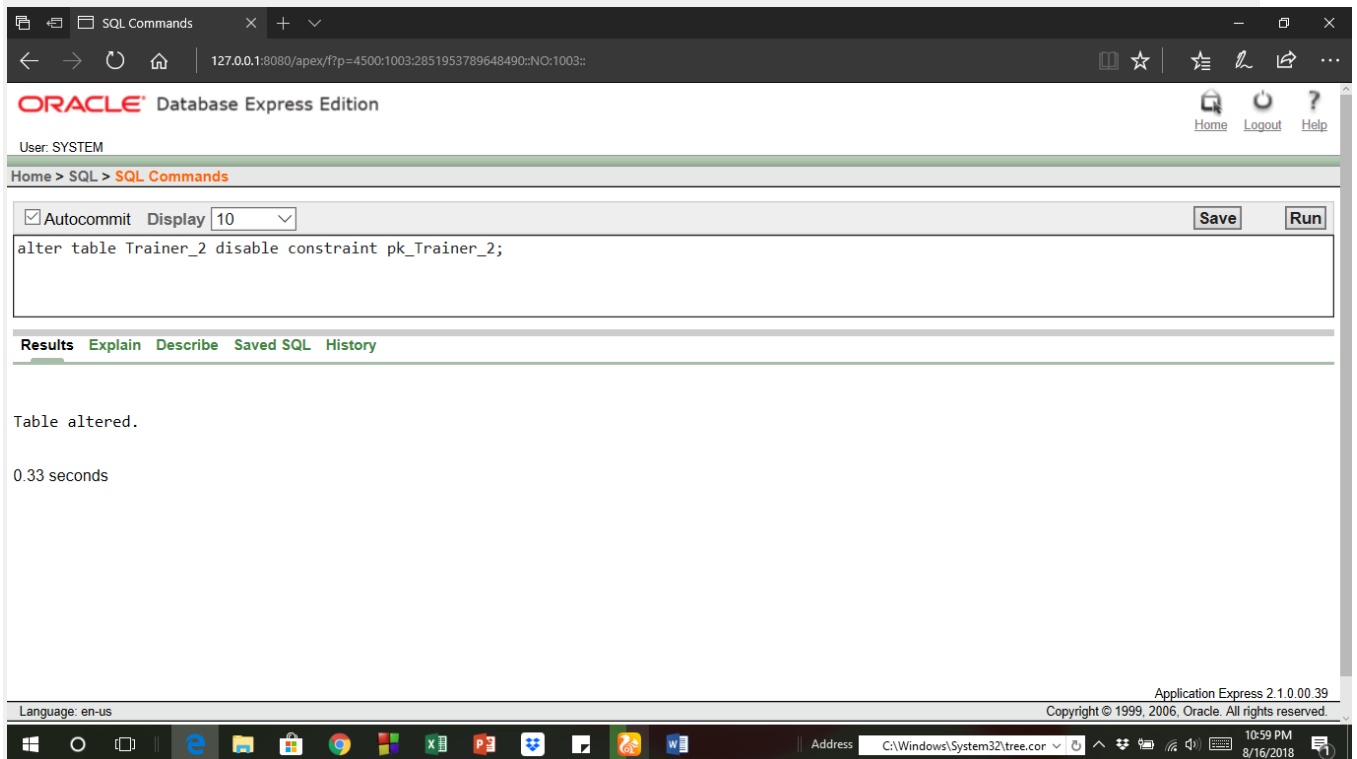
## Enable And Disable:

### 1.Disable the Trainer\_1 :



The screenshot shows the Oracle Database Express Edition interface. The top navigation bar includes "Home", "Logout", and "Help". The user is logged in as "SYSTEM". The "SQL Commands" window is active, displaying the command: `alter table Trainer_1 disable constraint pk_Trainer_1 ;|`. The "Autocommit" checkbox is checked, and the "Display" dropdown is set to "10". The "Save" and "Run" buttons are visible. Below the command input, the "Results" tab is selected, showing the message "Table altered." and the execution time "0.51 seconds". The bottom status bar indicates "Application Express 2.1.0.00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

### 2. Disable the Trainer\_2:



The screenshot shows the Oracle Database Express Edition interface. The top navigation bar includes "Home", "Logout", and "Help". The user is logged in as "SYSTEM". The "SQL Commands" window is active, displaying the command: `alter table Trainer_2 disable constraint pk_Trainer_2;`. The "Autocommit" checkbox is checked, and the "Display" dropdown is set to "10". The "Save" and "Run" buttons are visible. Below the command input, the "Results" tab is selected, showing the message "Table altered." and the execution time "0.33 seconds". The bottom status bar indicates "Application Express 2.1.0.00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

## 1.Enable the Trainer\_1 :

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL: 127.0.0.1:8080/apex/f?p=4500:1003:2851953789648490::NO:1003::. The page title is "ORACLE Database Express Edition". The user is logged in as "SYSTEM". The breadcrumb navigation shows "Home > SQL > SQL Commands". The "Autocommit" checkbox is checked, and the "Display" dropdown is set to "10". The "Save" and "Run" buttons are visible. The SQL command entered is: `alter table Trainer_1 enable constraint pk_Trainer_1`. The results section shows "Table altered." and "0.05 seconds". The footer indicates "Application Express 2.1.0.00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:2851953789648490::NO:1003::

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

`alter table Trainer_1 enable constraint pk_Trainer_1`

Results Explain Describe Saved SQL History

Table altered.

0.05 seconds

Application Express 2.1.0.00.39  
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## 2.Enable the Trainer\_2 :

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL: 127.0.0.1:8080/apex/f?p=4500:1003:2851953789648490::NO:1003::. The page title is "ORACLE Database Express Edition". The user is logged in as "SYSTEM". The breadcrumb navigation shows "Home > SQL > SQL Commands". The "Autocommit" checkbox is checked, and the "Display" dropdown is set to "10". The "Save" and "Run" buttons are visible. The SQL command entered is: `alter table Trainer_2 enable constraint pk_Trainer_2;`. The results section shows "Table altered." and "0.03 seconds". The footer indicates "Application Express 2.1.0.00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:2851953789648490::NO:1003::

ORACLE Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

`alter table Trainer_2 enable constraint pk_Trainer_2;`

Results Explain Describe Saved SQL History

Table altered.

0.03 seconds

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## Joining:

### 1. Select manager name who work in Slim\_Fit\_Health\_Gym.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select a.ma_name from manager a,branch b where b.b_name='Slim_Fit_Health_Gym' and a.b_name=b.b_name;`. The results show one row with the manager name 'Salam'.

Oracle Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

select a.ma\_name from manager a,branch b where b.b\_name='Slim\_Fit\_Health\_Gym' and a.b\_name=b.b\_name;

Results Explain Describe Saved SQL History

MA_NAME
Salam

1 rows returned in 0.00 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

### 2. Display the all manager and trainer name whose age are same.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select m.Ma_name,t.T_name from Manager m,Trainer t where m.Ma_age=t.T_age;`. The results show two rows: (Rofiq, Karim) and (Salam, Karim).

Oracle Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

select m.Ma\_name,t.T\_name from Manager m,Trainer t where m.Ma\_age=t.T\_age;

Results Explain Describe Saved SQL History

MA_NAME	T_NAME
Rofiq	Karim
Salam	Karim

2 rows returned in 0.00 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.0.39 Copyright © 1999, 2006, Oracle. All rights reserved.

### 3. Find all the information of program whose cost > 6000 and same as 'Endurance & Flexibility'.

The screenshot shows the Oracle Database Express Edition interface. The SQL Command window contains the following query:

```
select p.* from program p, program q where p.cost > 6000 and q.p_name = 'Endurance & Flexibility' and p.p_name != 'Endurance & Flexibility';
```

The results are displayed in a table with the following columns: P\_NAME, NUMBER\_OF\_DAYS, and COST.

P_NAME	NUMBER_OF_DAYS	COST
Fast Shredded & BodyBuilding	4_Month	15000
BodyBuilding	4_Month	10000.5

2 rows returned in 0.00 seconds

Application Express 2.1.0.00.39  
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### 4. Find the member & manager name who work in 'Slim\_Fit\_Health\_Gym' & 'Slim\_Fit\_Health\_Gym5'.

The screenshot shows the Oracle Database Express Edition interface. The SQL Command window contains the following query:

```
select m.m_name, ma.ma_name, m.b_name from member m, manager ma where m.b_name in ('Slim_Fit_Health_Gym', 'Slim_Fit_Health_Gym5') and m.b_name = ma.b_name;
```

The results are displayed in a table with the following columns: M\_NAME, MA\_NAME, and B\_NAME.

M_NAME	MA_NAME	B_NAME
Borhan	Salam	Slim_Fit_Health_Gym
Protic	Selim	Slim_Fit_Health_Gym5

2 rows returned in 0.00 seconds

Application Express 2.1.0.00.39  
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## Sub Query:

1. Find the information of member\_catagory where minimum cost of the catagory.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select * from member_catagory where cost=(select min(cost) from member_catagory);`. The results show one row: 'Tester' with a duration of '1 day' and a cost of '200'. The interface includes tabs for Results, Explain, Describe, Saved SQL, and History. The status bar at the bottom indicates '1 rows returned in 0.02 seconds' and provides a 'CSV Export' link.

NAME	DURATION	COST
Tester	1 day	200

1 rows returned in 0.02 seconds [CSV Export](#)

2. Find the information of member\_catagory where maximum cost of the catagory.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select * from member_catagory where cost=(select max(cost) from member_catagory);`. The results show one row: 'Platinum Plus' with a duration of '12 month' and a cost of '20000'. The interface includes tabs for Results, Explain, Describe, Saved SQL, and History. The status bar at the bottom indicates '1 rows returned in 0.02 seconds' and provides a 'CSV Export' link.

NAME	DURATION	COST
Platinum Plus	12 month	20000

1 rows returned in 0.02 seconds [CSV Export](#)

### 3. Display the trainer name who train up BodyBuilding.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select t_name from trainer where t_name= any (select t_name from trainer where p_name='BodyBuilding')`. The results show one row: Karim. The interface includes a top navigation bar, a SQL command input area with Autocommit and Display 10 options, and a results section with tabs for Results, Explain, Describe, Saved SQL, and History. The bottom status bar shows the application version and copyright information.

Oracle Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

select t\_name from trainer where t\_name= any (select t\_name from trainer where p\_name='BodyBuilding')

**Results** Explain Describe Saved SQL History

T_NAME
Karim

1 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39  
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### 4. Display the member name whose age larger than monim.

The screenshot shows the Oracle Database Express Edition interface. The user is SYSTEM. The SQL command entered is: `select * from Member where M_age > (select M_age from Member where M_NAME='Monim')`. The results show four rows of member data. The interface includes a top navigation bar, a SQL command input area with Autocommit and Display 10 options, and a results section with tabs for Results, Explain, Describe, Saved SQL, and History. The bottom status bar shows the application version and copyright information.

Oracle Database Express Edition

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

select \* from Member where M\_age > (select M\_age from Member where M\_NAME='Monim')

**Results** Explain Describe Saved SQL History

M_ID	M_NAME	M_AGE	M_DOB	M_ADDRESS	M_STATUS	B_NAME
1	Borhan	22	01-01-1996	Bosundhora	Active	Slim_Fit_Health_Gym
2	Manik	23	01-01-1995	Khilkhet	Active	Slim_Fit_Health_Gym2
4	Taohid	22	01-01-1996	Uttara	Active	Slim_Fit_Health_Gym4
5	Protic	24	01-01-1994	Mohakhli	Active	Slim_Fit_Health_Gym5

4 rows returned in 0.00 seconds [CSV Export](#)

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