

GYM MANAGEMENT SYSTEM

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ABSTRACT

In many Gyms, the payment receipts are in paper format. So it is very difficult for both gym members to keep all the paper receipts safely and to gym trainer to keep reminding for the fee receipts. Sometimes it creates a trouble when members lost their receipts. The other problem that can be faced by a gym owner is that if he/she wants to inform any message related to working or nonworking days of gym, manually sending message become difficult. If there is online application available these problems can be solved.

So, we are developing an DBMS overcome some of these issues. So this project can be helpful for both gym owner as well as for gym members. In this application all receipts are store in a digital format, so there are no issues of loosing any confidential receipts. This application will also notify the user (gym members) about their fees and also notifies the gym owner about the payment clearance. This application in future can be elaborated by providing supplement store, diet information, personal training etc.

Existing Solution:

In gym management system, after the planning and analysis phase of the system gets completed. Then the next phase required to transform the collected required system information into structural blueprint which will serve as a reference while constructing the working system.

It is a phase when most of the risks and error unveiled so it's is good practices to take care of this thing from the start.

This is a fully fledged system which will be the backbone of the while management of the gym so ignoring the risk or error is not an option as later it can make a greater form of itself.

So, it is better to minimize the problems faced by both staff and the manager in the Organization. Let's discuss the system in detail:

The gym is working manually. The current system is time consuming and also it is very costly, because it involves a lot of paperwork. To manually handle the system was very difficult task. But now-a-days computerization made easy to work.

Time consumption:

As the records are to be manually maintained it consumes a lot of time.

Paper work:

Lot of paper work is involved as the records are maintained in the files & registers

Storage requirements:

As files and registers are used the storage space requirement is increased.

Less reliable:

Use of papers for storing valuable data information is not at all reliable.

Accuracy:

As the system is in manual there are lot many chances of human errors. These can cause errors in calculating mechanism or maintaining customer details.

Difficulty in keeping new records:

It is difficult for keeping all the new entries of members, their account and transaction details.

PROPOSED SYSTEM

1. The proposed system is highly secured, because for login the system it requires the username and password which is different for each department therefore providing each department a different view of the customer information.
2. It provides wide range of certain criteria in each window the client is working for better and quicker solution.
3. It maintains report for all criteria and transactions.
4. Manages member information separately for all bill information separately for considering the requirement of gym.
5. Stores information about regular products.
6. Diet recommendation

USER TABLE :

#	user_id	complete_name	contact	address	username	pass_word
	11002010001	manindranth	9000120001	abc	manindranath123	1230
	11002010003	ashish	9000120002	abggc	abc	1231
	11002010004	hari	9000120003	abdfc	hari123	1232
	11002010005	sivaji	9000120004	abggc	sivaji123	1233
	11002010006	sai	9000120005	abddc	sai123	1234
	11002010007	yajur	9000120006	abcoo	yajur123	1235
	11002010008	hema	9000120007	abcgg	hema123	1236
de	11002010009	raja	9000120008	abdc	raja123	1237
	11002010010	harshitha	9000120009	abcggg	harshitha123	1238
	11002010011	surya	9000120011	abddc	surya123	1239
	11002010012	sahil	9000120111	abdc	sahil123	1210
	11002010013	satya	9000121111	abhc	satya123	1211
	11002010014	pooji	9000120021	abhc	pooji	1212
	11002010015	sisir	9000120031	abcc	sisir	1213

```

1 SELECT * FROM table_user WHERE user_id=11002010001;
2 SELECT complete_name,contact FROM table_user;
3 SELECT complete_name FROM table_user WHERE complete_name LIKE 's%';
4 SELECT complete_name FROM table_user WHERE complete_name LIKE '%sa';
5 SELECT * FROM table_user WHERE pass_word BETWEEN 1230 AND 1235;
6

```

user_id	complete_name	contact	address	username	pass_word
11002010001	manindranth	9000120001	abc	manindranath123	1230

SQLite sqlite.1 sqlite.2

```

1 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90120,02
2 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90121,12
3 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90122,22
4 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90123,32
5 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90124,42
6 INSERT INTO tblpayment(payment_id,member_id,amount,payment_time,payment_date,user_id) VALUES (90125,52

```

payment_id	member_id	amount	payment_time	payment_date	user_id
90120	2321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010001
90121	12321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010002
90122	22321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010003
90123	32321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010004
90124	42321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010005
90125	52321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010006
90126	62321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010007
90127	72321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010008
90128	82321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010009
90129	92321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010010
90130	10321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010011
90131	11321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010012
90132	12321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010013
90133	13321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010014
90134	14321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010015

```
1 SELECT * FROM table_user WHERE user_id=11002010001;
2 SELECT complete_name,contact FROM table_user;
3 SELECT complete_name FROM table_user WHERE complete_name LIKE 's%';
4 SELECT complete_name FROM table_user WHERE complete_name LIKE '%a';
5 SELECT * FROM table_user WHERE pass_word BETWEEN 1230 AND 1235;
6
```

	complete_name
1	sivaji
2	sai
3	surya
4	sahil
5	satya
6	sisir

```
1 SELECT * FROM table_user WHERE user_id=11002010001;
2 SELECT complete_name,contact FROM table_user;
3 SELECT complete_name FROM table_user WHERE complete_name LIKE 's%';
4 SELECT complete_name FROM table_user WHERE complete_name LIKE '%a';
5 SELECT * FROM table_user WHERE pass_word BETWEEN 1230 AND 1235;
6
```

	complete_name
1	hema
2	raja
3	harshitha
4	surya
5	satya

1	SELECT * FROM table_user WHERE user_id=11002010001;
2	SELECT complete_name,contact FROM table_user;
3	SELECT complete_name FROM table_user WHERE complete_name LIKE 's%';
4	SELECT complete_name FROM table_user WHERE complete_name LIKE '%a';
5	SELECT * FROM table_user WHERE pass_word BETWEEN 1230 AND 1235;
6	

#	user_id	complete_name	contact	address	username	pass_word
1	11002010001	manindranth	9000120001	abc	manindranath123	1230
2	11002010003	ashish	9000120002	abggc	abc	1231
3	11002010004	hari	9000120003	abdfc	hari123	1232
4	11002010005	sivaji	9000120004	abggc	sivaji123	1233
5	11002010006	sai	9000120005	abddc	sai123	1234
6	11002010007	yajur	9000120006	abcoo	yajur123	1235

1	SELECT * FROM table_user LIMIT 6;
2	SELECT complete_name,contact,address FROM table_user WHERE username='sai123';
3	SELECT * FROM table_user WHERE pass_word > 1230 AND user_id > 11002010007;
4	SELECT user_id FROM table_user UNION SELECT user_id FROM tblpayment
5	
6	

#	user_id	complete_name	contact	address	username	pass_word
1	11002010001	manindranth	9000120001	abc	manindranath123	1230
2	11002010003	ashish	9000120002	abggc	abc	1231
3	11002010004	hari	9000120003	abdfc	hari123	1232
4	11002010005	sivaji	9000120004	abggc	sivaji123	1233
5	11002010006	sai	9000120005	abddc	sai123	1234
6	11002010007	yajur	9000120006	abcoo	yajur123	1235

1	SELECT * FROM table_user LIMIT 6;
2	SELECT complete_name,contact,address FROM table_user WHERE username='sai123';
3	SELECT * FROM table_user WHERE pass_word > 1230 AND user_id > 11002010007;
4	SELECT user_id FROM table_user UNION SELECT user_id FROM tblpayment
5	
6	

#	complete_name	contact	address
1	sai	9000120005	abddc

```

1
2 SELECT * FROM table_user LIMIT 6;
3 SELECT complete_name,contact,address FROM table_user WHERE username='sai123';
4 SELECT * FROM table_user WHERE pass_word > 1230 AND user_id > 11002010007;
5 SELECT user_id FROM table_user UNION SELECT user_id FROM tblpayment
6

```

user_id	complete_name	contact	address	username	pass_word
11002010008	hema	9000120007	abcg	hema123	1236
11002010009	raja	9000120008	abdc	raja123	1237
11002010010	harshitha	9000120009	abcgg	harshitha123	1238
11002010011	surya	9000120011	abddc	surya123	1239

```

2 SELECT * FROM table_user LIMIT 6;
3 SELECT complete_name,contact,address FROM table_user WHERE username='sai123';
4 SELECT * FROM table_user WHERE pass_word > 1230 AND user_id > 11002010007;
5 SELECT user_id FROM table_user UNION SELECT user_id FROM tblpayment
6

```

user_id
11002010001
11002010002
11002010003
11002010004
11002010005
11002010006
11002010007
11002010008
11002010009
11002010010
11002010011
11002010012
11002010013
11002010014
11002010015

```

1 SELECT COUNT(*) FROM table_user WHERE pass_word<1230;
2 SELECT AVG(user_id) FROM table_user;
3 SELECT SUM(pass_word) FROM table_user;
4 SELECT DISTINCT pass_word FROM table_user ORDER BY pass_word DESC;

```

count(*)
4

```

1 SELECT COUNT(*) FROM table_user WHERE pass_word<1230;
2 SELECT AVG(user_id) FROM table_user;
3 SELECT SUM(pass_word) FROM table_user;
4 SELECT DISTINCT pass_word FROM table_user ORDER BY pass_word DESC;

: pass_word
1239
1238
1237
1236
1235
1234
1233
1232
1231
1230
1213
1212
1211
1210

```

sqlite.2	<input type="checkbox"/> sqlite.3	<input type="checkbox"/> sqlite.4	<input type="checkbox"/> sqlite.6	<input type="checkbox"/> sqlite.7
1 SELECT * FROM table_user ORDER BY user_id ASC;				
2 SELECT address FROM table_user WHERE address LIKE 'ab%';				
3 SELECT * FROM table_user WHERE username='sivaji123';				
4 SELECT DISTINCT member_id FROM tblpayment;				
5 SELECT * FROM tblpayment ORDER BY user_id ASC;				
6				
: address				
abc				
abggc				
abdfc				
abggc				
abddc				
abcoo				
abcggy				
abdc				
abcggg				
abddc				
abdc				
abhc				
abhc				
abcc				

```

1 SELECT * FROM table_user ORDER BY user_id ASC;
2 SELECT address FROM table_user WHERE address LIKE 'ab%';
3 SELECT * FROM table_user WHERE username='sivaji123';
4 SELECT DISTINCT member_id FROM tblpayment;
5 SELECT * FROM tblpayment ORDER BY user_id ASC;
6

```

: user_id	complete_name	contact	address	username	pass_word
11002010005	sivaji	9000120004	abggc	sivaji123	1233

```

1 SELECT * FROM table_user ORDER BY user_id ASC;
2 SELECT address FROM table_user WHERE address LIKE 'ab%';
3 SELECT * FROM table_user WHERE username='sivaji123';
4 SELECT DISTINCT member_id FROM tblpayment;
5 SELECT * FROM tblpayment ORDER BY user_id ASC;
6

```

: payment_id	member_id	amount	payment_time	payment_date	user_id
90120	2321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010001
90121	12321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010002
90122	22321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010003
90123	32321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010004
90124	42321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010005
90125	52321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010006
90126	62321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010007
90127	72321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010008
90128	82321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010009
90129	92321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010010
90130	10321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010011
90131	11321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010012
90132	12321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010013
90133	13321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010014
90134	14321	5000	2020-05-29 00:00:0...	2020-05-29 00:00:0...	11002010015

TABLE BRANCH

Column	Null?	Type
BRANCH_ID	NOT NULL	NUMBER
ADDRESS	-	VARCHAR2(50)
EMPLOYEE	NOT NULL	NUMBER
MEMBERS	NOT NULL	NUMBER

[Download CSV](#)

4 rows selected.

BRANCH_ID	ADDRESS	EMPLOYEE	MEMBERS
1001	MANSAROVAR	5	55
1002	JLN MARG	4	70
1003	C SCHEME	7	88
1004	MI ROAD	4	76
1005	RAJA PARK	5	83

[Download CSV](#)

5 rows selected.

TABLE EMPLOYEES

Column	Null?	Type
EMP_ID	NOT NULL	NUMBER
BRANCH_ID	NOT NULL	NUMBER
EMP_NAME	-	VARCHAR2(50)
CONTACT	-	VARCHAR2(50)
AGE	-	NUMBER
JOB	-	VARCHAR2(50)
SALARY	-	NUMBER
SEX	-	CHAR(1)

[Download CSV](#)

8 rows selected.

EMP_ID	BRANCH_ID	EMP_NAME	CONTACT	AGE	JOB	SALARY	SEX
301	1001	ANISHA GARG	9843672637	24	RECEPTIONIST	15000	F
302	1001	PRADEEK JAISWAL	9414256789	27	TRAINER	25000	M
303	1001	SONU SINGH	9843424237	25	TRAINER	25000	M
304	1001	UDIT DEWAN	7843672637	26	TRAINER	27000	M
305	1001	YUKTA SHARMA	6343637437	27	TRAINER	23000	F
306	1002	SAHIL KHANNA	9974120637	29	RECEPTIONIST	15000	M

307	1002	GARVIT KUMAR	9012472637	28	TRAINER	22000	M
308	1002	PRACHI SINGH	9843342847	29	TRAINER	26000	F
309	1002	ALI KHAN	9950460639	25	TRAINER	19000	M
310	1003	JYOTI SHAH	9828915418	27	TRAINER	20000	F
311	1003	ANITA MISHRA	9950195158	27	RECEPTIONIST	15000	F
312	1003	JANIT SHARMA	8005740191	30	RECEPTIONIST	15000	M
313	1003	VYOM JAIN	9829504673	29	TRAINER	24000	M
314	1003	JATIN KUMAR	9952780044	31	TRAINER	26000	M
315	1003	RIZWAN KHAN	987634521	30	TRAINER	27000	M
316	1003	KAMALJEET SINGH	9282614365	27	TRAINER	29000	M
317	1004	DEVANGI JAIN	7893654120	33	RECEPTIONIST	15000	F
318	1004	JASVIR HOODA	8097655645	29	TRAINER	24000	M
319	1004	DEEPAK NARWAL	9828765431	28	TRAINER	22000	M
320	1004	UNNATI GYANANI	6677213456	28	TRAINER	27000	F
321	1005	SHRUTI SHAH	7395900111	30	RECEPTIONIST	15000	F
322	1005	ANURAG GAUTAM	9079351521	34	TRAINER	30000	M
323	1005	HAMDAN SIDDIQUI	992998005	30	TRAINER	28000	M
324	1005	ROSHNI CHOUDHARY	7557845637	32	TRAINER	30000	F
325	1005	ROHIT SINGH	6543210978	27	TRAINER	18000	M

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25 rows selected.

QUERIES

1. CREATE

```
CREATE TABLE EMPLOYEES(EMP_ID INT PRIMARY KEY, BRANCH_ID INT NOT NULL, EMP_NAME  
VARCHAR(50), CONTACT VARCHAR(50), AGE INT, JOB VARCHAR(50), SALARY INT);
```

```
DESC EMPLOYEES
```

TABLE EMPLOYEES

Column	Null?	Type
EMP_ID	NOT NULL	NUMBER
BRANCH_ID	NOT NULL	NUMBER
EMP_NAME	-	VARCHAR2(50)
CONTACT	-	VARCHAR2(50)
AGE	-	NUMBER
JOB	-	VARCHAR2(50)
SALARY	-	NUMBER

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7 rows selected.

2. CREATE

```
CREATE TABLE BRANCH(BRANCH_ID INT PRIMARY KEY, ADDRESS VARCHAR(50), EMPLOYEE INT  
NOT NULL, MEMBERS INT NOT NULL)
```

```
DESC BRANCH
```

TABLE BRANCH

Column	Null?	Type
BRANCH_ID	NOT NULL	NUMBER
ADDRESS	-	VARCHAR2(50)
EMPLOYEE	NOT NULL	NUMBER
MEMBERS	NOT NULL	NUMBER

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4 rows selected.

3. RENAME

```
RENAME BRANCH TO BRANCHES;
```

```
SELECT * FROM BRANCHES;
```

BRANCH_ID	ADDRESS	EMPLOYEE	MEMBERS
1001	MANSAROVAR	5	55
1002	JLN MARG	4	70
1003	C SCHEME	7	88
1004	MI ROAD	4	76
1005	RAJA PARK	5	83

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5 rows selected.

4. ALTER TABLE

```
ALTER TABLE EMPLOYEES ADD SEX CHAR
```

Table altered.

```
desc employees
```

TABLE EMPLOYEES

Column	Null?	Type
EMP_ID	NOT NULL	NUMBER
BRANCH_ID	NOT NULL	NUMBER
EMP_NAME	-	VARCHAR2(50)
CONTACT	-	VARCHAR2(50)
AGE	-	NUMBER
JOB	-	VARCHAR2(50)
SALARY	-	NUMBER
SEX	-	CHAR(1)

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8 rows selected.

5. INSERT

```
INSERT INTO BRANCH VALUES(1001, 'MANSAROVAR', 5, 55)
```

```
SELECT * FROM BRANCH
```

BRANCH_ID	ADDRESS	EMPLOYEE	MEMBERS
1001	MANSAROVAR	5	55
1002	JLN MARG	4	70
1003	C SCHEME	7	88
1004	MI ROAD	4	76
1005	RAJA PARK	5	83

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5 rows selected.

6. UPDATE

```
UPDATE EMPLOYEES SET EMP_NAME='PRATEEK JAISWAL',  
CONTACT='9414256789',AGE=27,JOB='TRAINER',SALARY=25000 WHERE EMP_ID=302
```

```
UPDATE EMPLOYEES SET EMP_NAME='PRATEEK JAISWAL', CONTACT='9414256789',AGE=27,JOB='TRAINER',SALARY=25000 WHERE EMP_ID=302
```

1 row(s) updated.

```
SELECT * FROM EMPLOYEES
```

EMP_ID	BRANCH_ID	EMP_NAME	CONTACT	AGE	JOB	SALARY
301	1001	ANISHA GARG	9843672637	24	RECEPTIONIST	15000
302	1001	PRATEEK JAISWAL	9414256789	27	TRAINER	25000
303	1001	SONU SINGH	9843424237	25	TRAINER	25000

7. CONSTRAINTS

```
ALTER TABLE EMPLOYEES ADD FOREIGN KEY (BRANCH_ID) REFERENCES BRANCHES(BRANCH_ID);
```

8. TABLE BRANCHES — BRANCH_ID PRIMARY KEY

9. TABLE EMPLOYEES — EMP_ID PRIMARY KEY

10. CHANGE CONTACT='8978500211' WHERE EMP_ID =305

EMP_ID	BRANCH_ID	EMP_NAME	CONTACT	AGE	JOB	SALARY	SEX
305	1001	YUKTA SHARMA	8978500211	27	TRAINER	23000	F

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11. CHANGE MEMBERS= 90 EHREE BRANCH_ID=1004

BRANCH_ID	ADDRESS	EMPLOYEE	MEMBERS
1004	MI ROAD	4	90

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12. SELECT NAMES OF ALL RECEPTIONIST EMPLOYEES

EMP_NAME
ANISHA GARG
SAHIL KHANNA
ANITA MISHRA
JANIT SHARMA
DEVANGI JAIN
SHRUTI SHAH

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13. SELECT DETAILS OF ALL MEMBERS OF BRANCH_ID =1003

EMP_ID	BRANCH_ID	EMP_NAME	CONTACT	AGE	JOB	SALARY	SEX
317	1004	DEVANGI JAIN	7893654120	33	RECEPTIONIST	15000	F
318	1004	JASVIR HOODA	8097655645	29	TRAINER	24000	M
319	1004	DEEPAK NARWAL	9828765431	28	TRAINER	22000	M
320	1004	UNNATI GYANANI	6677213456	28	TRAINER	27000	F

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4 rows selected.

14. SELECT NAMES OF ALL FEMALE TRAINERS

EMP_NAME
YUKTA SHARMA
PRACHI SINGH
JYOTI SHAH
UNNATI GYANANI
ROSHNI CHOUDHARY

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5 rows selected.

15. ALL GYMS ABOVE 80 MEMBERS

BRANCH_ID	ADDRESS	EMPLOYEE	MEMBERS
1003	C SCHEME	7	88
1004	MI ROAD	4	90
1005	RAJA PARK	5	83

16. ALL TRAINERS ABOVE AGE OF 30

EMP_NAME
JATIN KUMAR
ANURAG GAUTAM
ROSHNI CHOUDHARY

17. SELECT ADDRESS OF GYMS IN LOWER CASE

LOWER(ADDRESS)

mansarovar

jln marg

c scheme

mi road

raja park

18. AVERAGE SALARY OF ALL TRAINERS

19. COUNT NUMBER OF RECEPTIONISTS

COUNT(EMP_ID)
6

20. MAXIMUM SALARY FROM TRAINERS ON BRANCH_ID=1003

MIN(SALARY)	MAX(SALARY)
20000	29000

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21. MINIMUM NUMBER OF MEMBERS IN A BRANCH

MIN(MEMBERS)	MAX(MEMBERS)
55	90

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22. TOTAL TRAINERS

TOTAL_TRAINERS
19

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23. TOTAL RECEPTIONISTS

TOTAL_RECEPTIONISTS
6

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24. INCREASE SALARIES OF ALL RECEPTION BY 2000

EMP_NAME	JOB	SALARY
ANISHA GARG	RECEPTIONIST	17000
SAHIL KHANNA	RECEPTIONIST	17000
ANITA MISHRA	RECEPTIONIST	17000
JANIT SHARMA	RECEPTIONIST	17000
DEVANGI JAIN	RECEPTIONIST	17000
SHRUTI SHAH	RECEPTIONIST	17000

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MEMBER TABLE

```
SQL> create table tblmember(
 2 member_id number(11),
 3 member_id_no number(15),
 4 member_name varchar2(50),
 5 address varchar(100),
 6 contact varchar2(11),
 7 email varchar2(30),
 8 age number(2),
 9 gender varchar2(1),
10 joining_date date,
11 end_of_membership_date date,
12 membership_id number(11),
13 user_id number(11)
14 );
```

Table created.

```
SQL> desc tblmember
Name          Null?    Type
-----        -----   -----
MEMBER_ID          NUMBER(11)
MEMBER_ID_NO       NUMBER(15)
MEMBER_NAME        VARCHAR2(50)
ADDRESS            VARCHAR2(100)
CONTACT           VARCHAR2(11)
EMAIL              VARCHAR2(30)
AGE                NUMBER(2)
GENDER             VARCHAR2(1)
JOINING_DATE       DATE
END_OF_MEMBERSHIP_DATE DATE
MEMBERSHIP_ID      NUMBER(11)
USER_ID            NUMBER(11)
```

```
SQL> desc tblmember
Name          Null?    Type
-----        -----   -----
MEMBER_ID          NUMBER(11)
MEMBER_ID_NO       NUMBER(15)
MEMBER_NAME        VARCHAR2(50)
ADDRESS            VARCHAR2(100)
CONTACT           VARCHAR2(11)
EMAIL              VARCHAR2(30)
AGE                NUMBER(2)
GENDER             VARCHAR2(1)
JOINING_DATE       DATE
END_OF_MEMBERSHIP_DATE DATE
MEMBERSHIP_ID      NUMBER(11)
USER_ID            NUMBER(11)

SQL> alter table tblmember drop column user_id;
```

Table altered.

```
SQL> desc tblmember
Name          Null?    Type
-----        -----   -----
MEMBER_ID          NUMBER(11)
MEMBER_ID_NO       NUMBER(15)
MEMBER_NAME        VARCHAR2(50)
ADDRESS            VARCHAR2(100)
CONTACT           VARCHAR2(11)
EMAIL              VARCHAR2(30)
AGE                NUMBER(2)
GENDER             VARCHAR2(1)
JOINING_DATE       DATE
END_OF_MEMBERSHIP_DATE DATE
MEMBERSHIP_ID      NUMBER(11)
```

```
1 select * from tblmember order by member_id;
```

MEMBER_ID	MEMBER_ID_NO	MEMBER_NAME	ADDRESS	CONTACT	EMAIL	AGE	GENDER	JOINING_DATE	END_OF_MEMBERSHIP_DATE	MEMBERSHIP_ID	USER_ID
21100190	763	Abhi	abc	7550264569	abhi17@xyz.com	18	M	12-JAN-19	13-JAN-20	1234	270
21100191	764	Aman	ACD	2750589623	aman717@xyz.com	19	M	13-JAN-19	14-MAR-19	1235	271
21100192	765	Sanam	BCN	9525698710	sanam77@xyz.com	19	M	25-FEB-19	24-JUL-19	1236	272
21100193	766	Rohit	MNH	6969787896	rohit977@xyz.com	21	M	17-APR-19	24-APR-20	1237	273
21100194	767	Shashi	KJI	2514369874	shashi7@xyz.com	22	M	19-MAY-19	19-JUN-19	1238	274
21100195	768	Jerome	LKK	8794615184	jerome7@xyz.com	26	M	28-AUG-19	28-OCT-19	1239	275
21100196	769	Hardik	SRT	2154878965	hardik88@xyz.com	28	M	28-OCT-19	28-OCT-20	1240	276
21100197	770	Tanish	IXD	8956878952	btanish88@xyz.com	25	M	23-NOV-19	28-JAN-20	1241	277
21100198	771	Girish	KXD	9856370419	girish.p88@xyz.com	25	M	23-SEP-19	28-JAN-20	1242	278
21100199	772	Sahil	MDA	4859263598	sahil99@xyz.com	29	M	01-JAN-20	01-JUL-20	1243	279
21100200	773	Manish	LKO	7885256398	manish9@xyz.com	30	M	25-JAN-20	15-AUG-20	1244	280

Download CSV
11 rows selected.

```
1 alter table tblmember modify member_id number(12) not null;
2 alter table tblmember modify member_id_no number(19) not null;
3 desc tblmember;
```

TABLE TBLMEMBER

Column	Null?	Type
MEMBER_ID	NOT NULL	NUMBER(12,0)
MEMBER_ID_NO	NOT NULL	NUMBER(19,0)
MEMBER_NAME	-	VARCHAR2(50)
ADDRESS	-	VARCHAR2(100)
CONTACT	-	VARCHAR2(11)
EMAIL	-	VARCHAR2(30)
AGE	-	NUMBER(2,0)
GENDER	-	VARCHAR2(1)
JOINING_DATE	-	DATE
END_OF_MEMBERSHIP_DATE	-	DATE
MEMBERSHIP_ID	-	NUMBER(11,0)
USER_ID	-	NUMBER(11,0)

```
1 alter table tblmember add constraint mpk primary key(member_id);  
2 desc tblmember;
```

Table altered.

TABLE TBLMEMBER

Column	Null?	Type
MEMBER_ID	NOT NULL	NUMBER(12,0)
MEMBER_ID_NO	NOT NULL	NUMBER(19,0)
MEMBER_NAME	-	VARCHAR2(50)
ADDRESS	-	VARCHAR2(100)
CONTACT	-	VARCHAR2(11)
EMAIL	-	VARCHAR2(30)
AGE	-	NUMBER(2,0)
GENDER	-	VARCHAR2(1)
JOINING_DATE	-	DATE
END_OF_MEMBERSHIP_DATE	-	DATE

```
1 alter table tblmember modify member_id number(12) not null;  
2 alter table tblmember modify member_id_no number(19) not null;  
3 desc tblmember;
```

TABLE TBLMEMBER

Column	Null?	Type
MEMBER_ID	NOT NULL	NUMBER(12,0)
MEMBER_ID_NO	NOT NULL	NUMBER(19,0)
MEMBER_NAME	-	VARCHAR2(50)
ADDRESS	-	VARCHAR2(100)
CONTACT	-	VARCHAR2(11)
EMAIL	-	VARCHAR2(30)
AGE	-	NUMBER(2,0)
GENDER	-	VARCHAR2(1)
JOINING_DATE	-	DATE
END_OF_MEMBERSHIP_DATE	-	DATE
MEMBERSHIP_ID	-	NUMBER(11,0)
USER_ID	-	NUMBER(11,0)

```

1 alter table tblmember add constraint mpk primary key(member_id);
2 desc tblmember;

```

Table altered.

TABLE TBLMEMBER

Column	Null?	Type
MEMBER_ID	NOT NULL	NUMBER(12,0)
MEMBER_ID_NO	NOT NULL	NUMBER(19,0)
MEMBER_NAME	-	VARCHAR2(50)
ADDRESS	-	VARCHAR2(100)
CONTACT	-	VARCHAR2(11)
EMAIL	-	VARCHAR2(30)
AGE	-	NUMBER(2,0)
GENDER	-	VARCHAR2(1)
JOINING_DATE	-	DATE
END_OF_MEMBERSHIP_DATE	-	DATE

```

1 UPDATE tblmember SET address='DELHI' WHERE member_id=21100193;
2 COMMIT;
3 select * from tblmember;

```

1 row(s) updated.

Statement processed.

MEMBER_ID	MEMBER_ID_NO	MEMBER_NAME	ADDRESS	CONTACT	EMAIL	AGE	GENDER	JOINING_DATE	END_OF_MEMBERSHIP_DATE	MEMBERSHIP_ID	USER_ID
21100190	763	Abhi	abc	7550264569	abhi17@xyz.com	18	M	12-JAN-19	13-JAN-20	1234	270
21100191	764	Aman	ACD	2750509623	aman717@xyz.com	19	M	13-JAN-19	14-MAR-19	1235	271
21100192	765	Sanam	BCN	9525698710	sanam77@xyz.com	19	M	25-FEB-19	24-JUL-19	1236	272
21100193	766	Rohit	DELHI	6969787896	rohit977@xyz.com	21	M	17-APR-19	24-APR-20	1237	273
21100194	767	Shashi	KJI	2514369874	shashi.7@xyz.com	22	M	19-MAY-19	19-JUN-19	1238	274
21100195	768	Jerome	LKK	8794615184	jerome7@xyz.com	26	M	28-AUG-19	28-OCT-19	1239	275
21100196	769	Hardik	SRT	2154878965	hardik88@xyz.com	20	M	28-OCT-19	28-OCT-20	1240	276
21100197	770	Tanish	IXD	8956870952	btanish88@xyz.com	25	M	23-NOV-19	28-JAN-20	1241	277
21100198	771	Girish	HDX	9856378419	girish.p88@xyz.com	25	M	23-SEP-19	28-JAN-20	1242	278

```
1 SELECT member_name FROM tblmember WHERE joining_date BETWEEN '01-jan-2019'  
2 AND '20-aug-2019';  
3
```

MEMBER_NAME
Abhi
Aman
Sanam
Rohit
Shashi

[Download CSV](#)

5 rows selected.

```
1 SELECT * from tblmember where member_id is null;  
2
```

no data found

```
1 SELECT member_name,member_id, age from tblmember where age between 18 and 25 ;  
2
```

MEMBER_NAME	MEMBER_ID	AGE
Abhi	21100190	18
Aman	21100191	19
Sanam	21100192	19
Rohit	21100193	21
Shashi	21100194	22
Hardik	21100196	20
Tanish	21100197	25
Girish	21100198	25

[Download CSV](#)

8 rows selected.

```
1 select joining_date+15 from tblmember;
```

JOINING_DATE+15
27-JAN-19
28-JAN-19
12-MAR-19
02-MAY-19
03-JUN-19
12-SEP-19
12-NOV-19
08-DEC-19
08-OCT-19
16-JAN-20
09-FEB-20

```
1 select joining_date-15 from tblmember;
```

JOINING_DATE-15
28-DEC-18
29-DEC-18
10-FEB-19
02-APR-19
04-MAY-19
13-AUG-19
13-OCT-19
08-NOV-19
08-SEP-19
17-DEC-19
10-JAN-20

```
1 SELECT LTRIM('abhi11@xyz.com') FROM tblmember;
2 select rtrim('jerome') from tblmember;
```

```
1 SELECT LTRIM('abhi17@xyz.com') FROM tblmember;
2 select rtrim('jerome') from tblmember;
```

```
1 select length('aman717@xyz.com') from tblmember;
```

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132

133

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142

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146

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LENGTH('AMAN717@XYZ.COM')
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```
1 select count(end_of_membership_date) from tblmember group by joining_date;
```

```
1 select user_id from tblmember minus select user_id from tblmembershiptype;
```

USER_ID

[Download CSV](#)

```
1 select user_id from tblmember union| select user_id from tblmembershiptype;
```

User_ID
270
271
272
273
274
275
276
277
278
279
280

```
1 select tblmember.member_name,tblmembershiptype.user_id from tblmembershiptype inner join tblmember on tblmember.user_id =tblmembershiptype.user_id;
```

MEMBER_NAME	USER_ID
Abhi	270
Aman	271
Sanam	272
Rohit	273
Shashi	274
Jerome	275
Hardik	276
Tanish	277
Girish	278
Sahil	279

```
1 select tblmember.member_name,tblmembershiptype.user_id from tblmember left join tblmembe  
2 order by tblmember.member_name;
```

MEMBER_NAME	USER_ID
Abhi	270
Aman	271
Girish	278
Hardik	276
Jerome	275
Manish	-
Rohit	273
Sahil	279
Sanam	272
Shashi	274
Tanish	277

[Download CSV](#)

11 rows selected.

```
1 select user_id from tblmembershiptype where membership_amount in(select membership_amount from tblmember
```

USER_ID
270
276
275
273
277

[Download CSV](#)

5 rows selected.

```
1 select member_name,membership_amount from tblmember,tblmembershiptype where tblmember.user_id = tblmembershiptype.user_id  
2 ;
```

MEMBER_NAME	MEMBERSHIP_AMOUNT
Abhi	10000
Aman	7000
Sanam	7500
Rohit	10000
Shashi	4000
Jerome	4500
Hardik	10000
Tanish	4500
Girish	76000
Sahil	7700