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**A Report On**  
**“Gym Database Management System”**

Submitted by

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**CERTIFICATE**

Certifies that the project work titled “**Gym Database Management System**” is a work carried out by **THANMAYA.G.B (4NI19IS107), SWATHI.B.J (4NI19IS103), VARSHA.S.HOLY (2020LIS001), VISHAL RAI (4NI19IS113)** in partial fulfilment for the requirements of the fourth semester BE in Information Science & Engineering prescribed by The National Institute of Engineering, Autonomous Institution under Visvesvaraya Technological University, Belagavi. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated. The Project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the fourth semester in Data Base Laboratory.

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- 2.

## **ABSTRACT**

In this modern world, computer becomes more & more popular and important to our society. We can use computer everywhere and they are useful to our daily life. So here we aimed to develop a database on Gym Databases Management System.

The purpose of the Gym Database Management System is automate the existing manual system by the help of computerized equipment and database fulfilling their requirements, so that their data or the important information can be stored for a longer period with easy accessing and manipulation of the same.

This database project is designed to facilitate a gym to automate its operation and keeping records and store them in database and maintain the same, further facilitating easy access.

The database maintain the details of Gym Managements that is it maintains the data of different gym with their locations, records the details of the members who join the gym, details of the staff who is employed in gym, packages offered by the gym, schedules maintained by the gym and maintain the payment details of the gym.

## ACKNOWLEDGEMENT

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## TABLE OF CONTENTS

<b>Sl. No. Chapter</b>	<b>Page No.</b>
1. INTRODUCTION	6
i. INTRODUCTION OF THE PROJECT	6
ii. OBJECTIVES	6
iii. SCOPE OF THE PROJECT	6
2. PROPOSED SYSTEM	7
3. SYSTEM REQUIERMENTS	8
i. HARDWARE REQUIERMENTS	8
ii. SOFTWARE REQUIERMENTS	8
4. SYSTEM DESIGN	9
i. ER MODEL	9
ii. DATABASE SCHEMA	10
5. IMPLEMENTATION	11
CONCLUSION	15
FUTURE ENHANCEMENT	15
REFERENCES	16
SCREENSHOTS	17

# **CHAPTER 1**

## **INTRODUCTION**

### **Introduction of the project**

The 'Gym Database Management System' has been developed to override the problems prevailing in the practicing manual system. This system is supported to eliminate and in some cases reduce the hardship faced by existing manual system. This database system assists the user to concentrate on their activities rather to concentrate on the record keeping. Thus it will help management in better utilization of resources.

Every gym management whether big or small has challenges to overcome and managing the information of members, staffs, payments, schedules, packages etc. therefore we design database project based on these requirements. This database project is equipped with the right level of information and details for the future references. This database allows better manage of the resources.

### **Objectives**

The main objective of the database project on 'Gym Database Management System' is to manage the details of the gym centers, members, staffs, payments, schedules, packages offered by the gym. It manages all the information about the staffs his name, salary, etc. members details, payments details done by the members for gym. The purpose of the database project is to reduce manual work for managing the information. It tracks all the details of the gym centers, staff, members, payments.

### **Scope of the project**

The database project may help in collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the details of previous year perfectly and vividly. It also helps in current all works relative to 'Gym Database Management System'. The management collection procedure will go smoothly.

Our project provides these features

- In computer system the person has to enter all the information.
- Easy to operate.
- Be Expandable.
- Satisfy the user requirements.
- Easy to understand.
- Easy to generate required queries.
- Easy to create a view.
- Easy to modify.

## **CHAPTER 2**

### **PROPOSED SYSTEM**

‘Gym Database Management System’ provides a computer based database system for keeping all records about Gym, Members, Staffs, Payments, Packages, Schedules in an efficient and accessible database. This database system helps the owner to maintain large data about staffs, members and gym and the daily payment transactions in gym database management system, also helping in creating and managing the records.

The aim of the proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper secured database and reduces the manual work. Minimizes time needed for various processing work. This database ensures data accuracy.

It reduces and removes the manual and tradition workload. In this database we can easily add/delete/update/view each record. This proposed database system provides the no replication of the data. This is fully-fledged database system that will be the backbone of the whole management of the gym so ignoring the risk or error free.

## **CHAPTER 3**

### **SYSTEM REQUIERMENTS**

The proposed system has several hardware and software requirements are as follows :

#### **Hardware requirements**

- Processor : Intel® Core™ i3/i5/i7 and AMD resolution type.
- Memory : 4GB/8GB
- System type : 32-bit / 64-bit operating system

#### **Software requirements**

- Operating System : Windows 10
- Programming Language : MYSQL
- Driver : MYSQL CONNECTOR



## CHAPTER 4

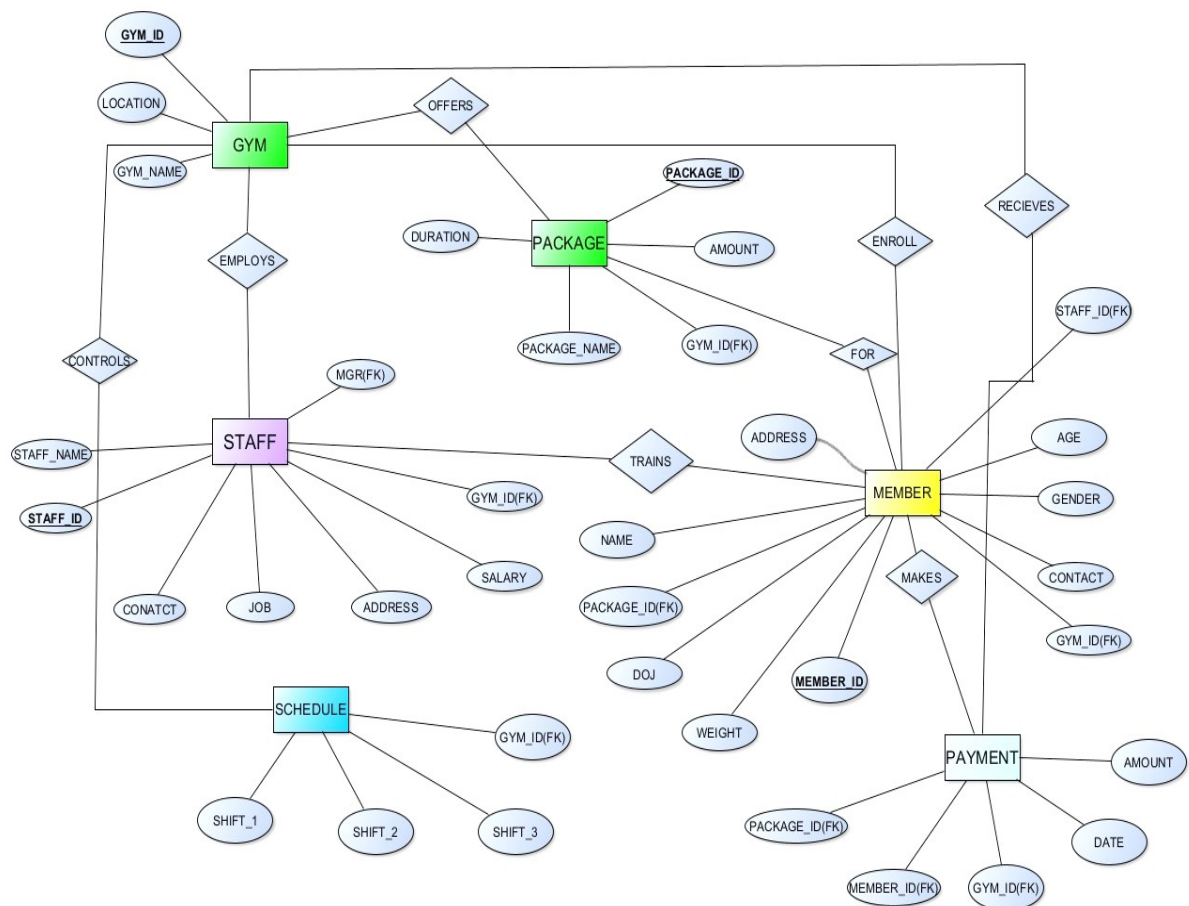
### SYSTEM DESIGN

#### E-R Model

ER model stands for Entity-Relationship Model. It is a high-level data model. This model is used to define the data elements and relationship for a specified system.

It develops a conceptual database. It also develops a very simple and easy to design view of data. In ER modeling, the database structure is portrayed as a diagram called entity relationship diagram.

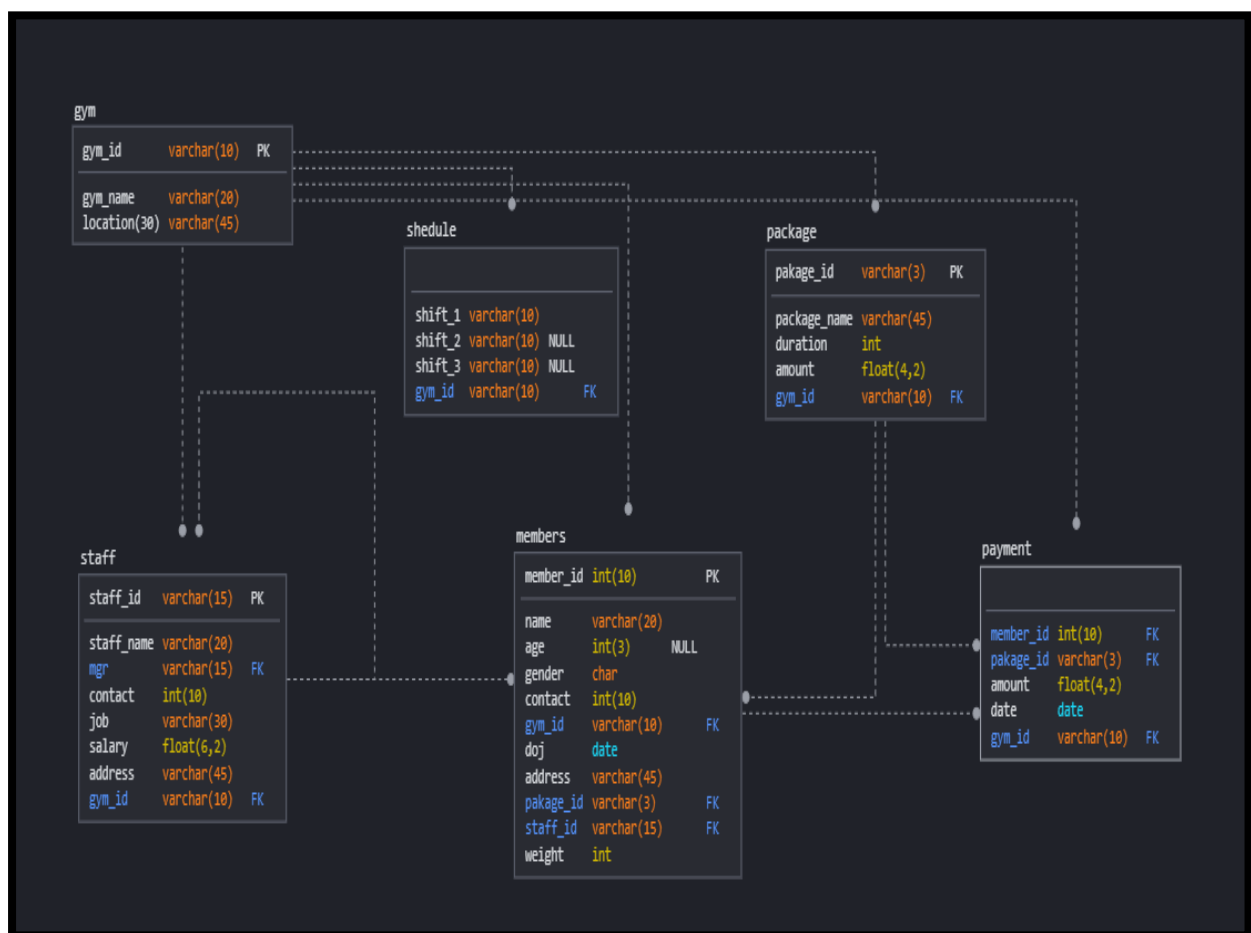
An ER diagram shows the relationship among entity sets. An entity set is a group of similar entities and these entities can have attributes. In terms of DBMS, an entity is a table or attribute of a table in database, so by showing relationship among tables and their attributes, ER diagram shows the complete logical structure of a database.



## Database Schema

A database schema is the skeleton structure that represents the logical view of the entire database. It defines how the data is organized and how the relations among them are associated. It formulates all the constraints that are to be applied on the data.

A database schema defines its entities and the relationship among them. It contains a descriptive detail of the database, which can be depicted by means of schema diagrams. It's the database designers who design the schema to help programmers understand the database and make it useful.



## CHAPTER 4

### IMPLEMENTATION

#### Creation of Database:

- CREATE DATABASE GYM;

#### Usage of Database :

- USE GYM;

#### Creation of Tables :

- CREATE TABLE GYM VALUES(GYM\_ID VARCHAR(10) NOT NULL,GYM\_NAME VARCHAR(20) NOT NULL,LOCATION VARCHAR(30) NOT NULL);

```
mysql> DESC GYM;
```

Field	Type	Null	Key	Default	Extra
GYM_ID	varchar(10)	NO	PRI	NULL	
GYM_NAME	varchar(20)	NO		NULL	
LOCATION	varchar(30)	NO		NULL	

- CREATE TABLE PACKAGE(PACKAGE\_ID VARCHAR(3) NOT NULL,PACKAGE\_NAME VARCHAR(45) NOT NULL,DURATION INT(4) NOT NULL,AMOUNT FLOAT(4,2) NOT NULL,GYM\_ID VARCHAR(10));

```
mysql> DESC PACKAGE;
```

Field	Type	Null	Key	Default	Extra
PACKAGE_ID	varchar(3)	NO	PRI	NULL	
PACKAGE_NAME	varchar(45)	NO		NULL	
DURATION	int	NO		NULL	
AMOUNT	float(9,2)	NO		NULL	
GYM_ID	varchar(10)	NO	MUL	NULL	

5 rows in set (0.00 sec)

- CREATE TABLE STAFF(STAFF\_NAME VARCHAR(20) NOT NULL,STAFF\_ID VARCHAR(15) NOT NULL,MGR VARCHAR(15) NOT NULL,CONTACT INT(10) NOT NULL,JOB VARCHAR(30),SALARY FLOAT(6,2) NOT NULL,ADDRESS VARCHAR(45) NOT NULL,GYM\_ID VARCHAR(10) NOT NULL);

```
mysql> DESC STAFF;
```

Field	Type	Null	Key	Default	Extra
STAFF_NAME	varchar(20)	NO		NULL	
STAFF_ID	varchar(15)	NO	PRI	NULL	
MGR	varchar(15)	NO	MUL	NULL	
JOB	varchar(30)	NO		NULL	
SALARY	float(9,2)	NO		NULL	
ADDRESS	varchar(45)	NO		NULL	
GYM_ID	varchar(10)	NO	MUL	NULL	
CONTACT	bigint	NO		NULL	

```
8 rows in set (0.00 sec)
```

- CREATE TABLE MEMBERS (MEMBER\_ID INT(10) NOT NULL, NAME VARCHAR(20) NOT NULL,AGE INT(3) NULL,GENDER CHAR(3) NOT NULL,CONTACT INT(10) NOT NULL,GYM\_ID VARCHAR(10),DOJ DATE NOT NULL,ADDRESS VARCHAR(45) NOT NULL,PACKAGE\_ID VARCHAR(3) NOT NULL,STAFF\_ID VARCHAR(15));

```
mysql> DESC MEMBERS;
```

Field	Type	Null	Key	Default	Extra
MEMBER_ID	int	NO	PRI	NULL	
NAME	varchar(20)	NO		NULL	
AGE	int	NO		NULL	
GENDER	char(2)	NO		NULL	
GYM_ID	varchar(10)	NO	MUL	NULL	
DOJ	date	NO		NULL	
ADDRESS	varchar(45)	NO		NULL	
PACKAGE_ID	varchar(3)	NO	MUL	NULL	
STAFF_ID	varchar(15)	YES	MUL	NULL	
WEIGHT	int	YES		NULL	
CONTACT	bigint	NO		NULL	

```
11 rows in set (0.04 sec)
```

- CREATE TABLE PAYMENT (MEMBER\_ID INT(10) ,PACKAGE\_ID VARCHAR(3), AMOUNT FLOAT(4,2) NOT NULL,DATE DATE NOT NULL, GYM\_ID VARCHAR(10));

```
mysql> DESC PAYMENT;
```

Field	Type	Null	Key	Default	Extra
MEMBER_ID	int	NO	MUL	NULL	
PACKAGE_ID	varchar(3)	NO	MUL	NULL	
AMOUNT	float(9,2)	NO		NULL	
DATE	date	NO		NULL	
GYM_ID	varchar(10)	NO	MUL	NULL	

```
5 rows in set (0.00 sec)
```

- CREATE TABLE SCHEDULE(SHIFT\_1 VARCHAR(10) NOT NULL,SHIFT\_2 VARCHAR(10) NULL, SHIFT\_3 VARCHAR(10) NULL, GYM\_ID VARCHAR(10) NOT NULL);

```
mysql> DESC SCHEDULE;
```

Field	Type	Null	Key	Default	Extra
SHIFT_1	varchar(10)	NO		6AM - 11AM	
SHIFT_2	varchar(10)	YES		-	
SHIFT_3	varchar(10)	YES		5PM - 10PM	
GYM_ID	varchar(10)	NO	MUL	NULL	

4 rows in set (0.00 sec)

### Altering the Tables :

- ALTER TABLE GYM ADD PRIMARY KEY(GYM\_ID);
- ALTER TABLE PACKAGE ADD PRIMARY KEY(PACKAGE\_ID);
- ALTER TABLE PACKAGE ADD FOREIGN KEY(GYM\_ID) REFERENCES GYM(GYM\_ID);
- ALTER TABLE STAFF ADD PRIMEY KEY (STAFF\_ID);
- ALTER TABLE STAFF ADD FOREIGN KEY(MGR) REFERENCES STAFF(STAFF\_ID);
- ALTER TABLE STAFF ADD FOREIGN KEY(GYM\_ID) REFERENCES STAFF(GYM\_ID);
- ALTER TABLE MEMBERS ADD PRIMARY KEY(MEMBER\_ID);
- ALTER TABLE MEMBERS ADD FOREIGN KEY(GYM\_ID) REFERENCES GYM(GYM\_ID);
- ALTER TABLE MEMBERS ADD FOREIGN KEY(PACKAGE\_ID) REFERENCES PACKAGE(PACKAGE\_ID);
- ALTER TABLE MEMBERS ADD FOREIGN KEY(STAFF\_ID) REFERENCES STAFF(STAFF\_ID);
- ALTER TABLE PAYMENT ADD FOREIGN KEY(MEMBER\_ID) REFERENCES MEMBERS(MEMBER\_ID);

- ALTER TABLE PAYMENT ADD FOREIGN KEY(PACKAGE\_ID) REFERENCES PACKAGE(PACKAGE\_ID);
- ALTER TABLE PAYMENT ADD FOREIGN KEY (GYM\_ID) REFERENCES GYM(GYM\_ID);
- ALTER TABLE SCHEDULE ADD FOREIGN KEY (GYM\_ID) REFERENCES GYM(GYM\_ID);

### Show Tables :

Tables_in_demo
gym
members
package
payment
schedule
staff

### Insert Queries :

- INSERT INTO GYM VALUES('CR003','CRUNCH FITNESS','KUVEMPU NAGAR');
- INSERT INTO MEMBERS VALUES('101', 'SHASHANK' , ' 18', 'M', 'PL001', '2018-02-12' , ' JP NAGAR' , ' P01' , ' PL\_103' , '56' , '9632145874');
- INSERT INTO PACKAGE VALUES ('P01', 'CARDIO + EQUIPMENT','3' '1500.00' , 'PL001');
- INSERT INTO PAYMENT VALUES (' 101', 'P01', '1500.00', '2021-02-23', 'PL001');
- INSERT INTO SCHEDULE VALUES ('6AM - 11AM', '- ', '5PM - 10PM', 'PL001');
- INSERT INTO STAFF VALUES('KARISMA', 'CR\_101', 'CR\_101', 'MANAGER' , '34000.00' , 'VIJAYNAGAR 3RD PHASE', 'CR003' , '8256371925');

## **CONCLUSION**

The project developed using MySQL is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement. The expanded functionality of today's software requires an appropriate approach toward software development.

This Gym Database Management System software is specially designed for maintaining the details of all the members and staffs like address, name, mobile number etc.

This project is able to meet all the basic requirements which are required. We can store the records of the members and check the summary. The management of the records (members and staffs) is benefited as it will automate the procedure, which will also reduce the work load.

We propose to build a software system that can efficiently handle and manage various activities of Gym. The current project is just based on taking the information and storing in respective data tables and representing the information in the different required forms and has the ability to search using the attribute.

## **FUTURE ENHANCEMENT**

The current project is just based on taking the information and storing in respective data tables and representing the information in the different required forms and has the ability to search using the attribute. There are some enhancements which can be implemented further. They are as follows:

- i. We can implement various security features which will distinguish the amount of information various components of Gym Management System can access.
- ii. We can implement the frontend which will allow the login for various components of Gym Management System.
- iii. The frontend Implementation can be used to display all the basic information like packages, gym branch etc.
- iv. We can have specific login for each member where his/her performance details and other information can be published.

## REFERENCES

[https://www.inettutor.com/source-code/gym\\_management-system-database-design/](https://www.inettutor.com/source-code/gym_management-system-database-design/)

<https://www.freeprojectz.com/premium-synopsis/synopsis-fitness-centre-management-system>

[https://www.academia.edu/26750275/project\\_report\\_on\\_gym\\_management\\_system\\_project](https://www.academia.edu/26750275/project_report_on_gym_management_system_project)

<https://images.app.goo.gl/e3VBdnSbdZzbjrU9>



## SCREENSHOTS

- **GYM TABLE:** This table stores the information of gym like gym name etc.

```
mysql> select * from gym;
```

GYM_ID	GYM_NAME	LOCATION
CR003	CRUNCH FITNESS	KUVEMPU NAGAR
GF009	GALAXY FITNESS	NAZARBAD
HY008	HYBRID FITNESS	NAZARBAD
LI010	LIFELINE FITNESS	BOGADI
MP007	MUSCLE PLANT	VIDYARANYAPURAM
PL001	PLANET FITNESS	JP NAGAR
QN006	QUEENS FITNESS	VIDYARANYAPURAM
RS002	ROCKSTAR FITNESS	ASHOK NAGAR
RY005	ROYAL FITNESS	VIJAYNAGAR
UN004	UNION FITNESS	SARASWATIPURAM

- **MEMBERS TABLE:** This table stores the information of the members(users) of the gym.

```
mysql> select * from members;
```

MEMBER_ID	NAME	AGE	GENDER	GYM_ID	DOJ	ADDRESS	PACKAGE_ID	STAFF_ID	WEIGHT	CONTACT
101	SHASHANK	18	M	PL001	2018-02-12	JP NAGAR	P01	PL_103	56	9632145874
102	GAUTAM	25	M	PL001	2019-12-12	JP NAGAR	P01	PL_104	76	6366252574
103	RAKSHITH	23	M	PL001	2019-02-21	VIDYARANYAPURAM	P01	PL_102	60	9312459878
104	MANAV	29	M	PL001	2020-12-22	VIDYARANYAPURAM	P02	PL_102	82	8356987319
105	KRUTHIK	20	M	RS002	2020-09-23	KUVEMPUNAGAR	P03	RS_102	65	9638453973
106	KEERTHI	23	F	RS002	2019-10-24	KRS ROAD	P03	RS_103	76	8215937452
107	LOHITH	22	M	RS002	2019-05-12	KD ROAD	P03	RS_104	55	6366459137
108	DASPRASAD	29	M	RS002	2018-04-22	ASHOKPURAM	P04	RS_102	63	8256913745
109	MANOJ	19	M	RS002	2018-04-12	ASHOKPURAM	P06	RS_102	50	9591870697
110	VINAY	28	M	CR003	2018-09-27	VIDYARANYAPURAM	P07	CR_103	59	9008126265
111	KARUNYA	24	F	CR003	2019-09-09	BOGADI	P08	CR_102	67	9502152697
112	KAVANA	24	F	CR003	2019-12-11	ILVALA	P09	CR_104	53	9002152697
113	VISHAK	24	M	UN004	2019-08-25	HINKAL	P10	UN_104	62	8239716491
114	ARJUN	24	M	UN004	2019-12-15	K D ROAD	P11	UN_103	65	8239719135
115	LANKESH	32	M	RY005	2020-11-28	KRS ROAD	P13	RY_102	85	9849719135
116	GAURAV	36	M	RY005	2020-09-16	KRISHNANAGAR	P14	RY_103	64	9008126294
117	GAURI	25	F	QN006	2020-12-27	VIJAYNAGAR	P16	QN_102	67	9008191235
118	BHAVANI	28	F	QN006	2020-10-27	J P NAGAR	P17	QN_103	59	9591191235
119	ANANYA	22	F	QN006	2020-11-27	J P NAGAR	P18	QN_104	54	9636191263
120	SANJAY	29	M	MP007	2020-02-21	SARASWATIPURAM	P19	MP_102	59	8296591263
121	TARUN	32	M	MP007	2020-04-21	JAYALAKSHMIPURAM	P20	MP_102	93	9008191263
122	PAIKSHITH	30	M	HY008	2019-10-17	JAYALAKSHMIPURAM	P22	HY_102	110	8319674325
123	KAVYA	24	F	HY008	2020-09-13	JAYANAGAR	P23	HY_102	85	6366459135
124	VARUN	24	M	HY008	2021-01-02	JAYANAGAR	P24	HY_102	89	6366591376
125	HARSHITH	25	M	GF009	2021-03-23	SARAKKI	P25	GF_102	73	9519374691
126	HARSHITHA	23	F	GF009	2021-02-23	JP NAGAR	P26	GF_102	82	9845673192
127	CHALUVAN	30	M	LI010	2020-09-25	JP NAGAR	P29	LI_102	95	6316973521
128	ABHISHEK	32	M	LI010	2020-12-30	BOGADI	P30	LI_102	81	9591973521

- **PACKAGE TABLE** : This is the table used to show the details of the packages provided by the Gym.

```
mysql> select * from package;
```

PACKAGE_ID	PACKAGE_NAME	DURATION	AMOUNT	GYM_ID
P01	CARDIO + EQUIPMENT	3	1500.00	PL001
P02	CARDIO + ABS + MUSCLES	3	1800.00	PL001
P03	CARDIO + EQUIPMENT	3	1400.00	RS002
P04	CARDIO + ABS + MUSCLES	3	1700.00	RS002
P05	CARDIO + ZUMBA	3	1600.00	PL001
P06	CARDIO + ZUMBA	3	1600.00	RS002
P07	CARDIO + EQUIPMENT	3	2000.00	CR003
P08	CARDIO + ABS + MUSCLES	3	1800.00	CR003
P09	CARDIO + ZUMBA	3	1600.00	CR003
P10	CARDIO + EQUIPMENT	3	1700.00	UN004
P11	CARDIO + ABS + MUSCLES	3	1500.00	UN004
P12	CARDIO + ZUMBA	3	1300.00	UN004
P13	CARDIO + EQUIPMENT	3	3000.00	RY005
P14	CARDIO + ABS + MUSCLES	3	2700.00	RY005
P15	CARDIO + ZUMBA	6	6700.00	RY005
P16	CARDIO + EQUIPMENT	6	7800.00	QN006
P17	CARDIO + ABS + MUSCLES	3	2000.00	QN006
P18	CARDIO + ZUMBA	3	1800.00	QN006
P19	CARDIO + EQUIPMENT	3	2500.00	MP007
P20	CARDIO + ABS + MUSCLES	3	2200.00	MP007
P21	CARDIO + ZUMBA	6	5000.00	MP007
P22	CARDIO + EQUIPMENT	6	4800.00	HY008
P23	CARDIO + ABS + MUSCLES	3	2000.00	HY008
P24	CARDIO + ZUMBA	3	1800.00	HY008
P25	CARDIO + EQUIPMENT	3	3800.00	GF009
P26	CARDIO + ABS + MUSCLES	6	6000.00	GF009
P27	CARDIO + ZUMBA	3	2500.00	GF009
P28	CARDIO + EQUIPMENT	3	2800.00	LI010
P29	CARDIO + ABS + MUSCLES	3	3200.00	LI010
P30	CARDIO + ZUMBA	6	7800.00	LI010

- **PAYMENT TABLE** : This table stores the information of the payments done by the members of the gym.

```
mysql> select * from payment;
```

MEMBER_ID	PACKAGE_ID	AMOUNT	DATE	GYM_ID
101	P01	1500.00	2021-02-23	PL001
102	P01	1500.00	2019-12-12	PL001
103	P01	1500.00	2019-02-21	PL001
104	P02	1800.00	2020-12-22	PL001
105	P03	1400.00	2020-09-23	RS002
106	P03	1400.00	2019-10-24	RS002
107	P03	1400.00	2019-05-12	RS002
108	P04	1700.00	2018-04-22	RS002
109	P06	1600.00	2018-04-12	RS002
110	P07	2000.00	2018-09-27	CR003
111	P08	1800.00	2019-09-09	CR003
112	P09	1600.00	2019-12-11	CR003
113	P10	1700.00	2019-08-25	UN004
114	P11	1500.00	2019-12-15	UN004
115	P13	3000.00	2020-11-28	RY005
116	P14	1700.00	2020-09-16	RY005
117	P16	7800.00	2020-12-27	QN006
118	P17	2000.00	2020-10-27	QN006
119	P18	1800.00	2020-11-27	QN006
120	P19	2500.00	2020-02-21	MP007
121	P20	2200.00	2020-04-21	MP007
122	P22	4800.00	2019-10-17	HY008
123	P23	2000.00	2020-09-13	HY008
124	P24	1800.00	2021-01-02	HY008
125	P25	3800.00	2021-03-23	GF009
126	P26	6000.00	2021-02-23	GF009
127	P29	3200.00	2020-09-25	LI010
128	P30	7800.00	2020-12-30	LI010

- **SCHEDULE TABLE** : This table stores the details of the schedules of the gym.

```
mysql> select * from schedule;
```

SHIFT_1	SHIFT_2	SHIFT_3	GYM_ID
6AM - 11AM	-	5PM - 10PM	PL001
6AM - 11AM	1PM - 4PM	5PM - 10PM	RS002
6AM - 11AM	-	6PM - 11PM	CR003
6AM - 11AM	-	5PM - 10PM	UN004
6AM - 11AM	-	5PM - 10PM	RY005
6AM - 11AM	1PM - 4PM	5PM - 10PM	QN006
6AM - 11AM	12PM - 3PM	5PM - 10PM	MP007
6AM - 11AM	-	5PM - 10PM	HY008
6AM - 11AM	1PM - 5PM	6PM - 11PM	GF009
6AM - 11AM	-	5PM - 10PM	LI010

- **STAFF TABLE :** This table stores the details of the Staff of the Gym.

```
mysql> select * from staff;
```

STAFF_NAME	STAFF_ID	MGR	JOB	SALARY	ADDRESS	GYM_ID	CONTACT
KARISMA	CR_101	CR_101	MANAGER	34000.00	VIJAYNAGAR 3RD PHASE	CR003	8256371925
KRISHNA	CR_102	CR_101	GENERAL INSTRUCTOR	30000.00	V.V PURAM	CR003	6325987136
LAVA	CR_103	CR_101	PERSONAL TRAINER	28000.00	JAYANAGAR	CR003	9645128796
KHUSH	CR_104	CR_101	PERSONAL TRAINER	28000.00	JAYANAGAR 1SR CROSS	CR003	8154697321
RAJANI	GF_101	GF_101	MANAGER	36000.00	BOGADI	GF009	9008265731
GOWRI	GF_102	GF_101	GENERAL INSTRUCTOR	30000.00	B BLOCK	GF009	8259137645
ARUN	HY_101	HY_101	MANAGER	35000.00	SULTANPET	HY008	9845276319
RAJESH	HY_102	HY_101	GENERAL INSTRUCTOR	28000.00	J.P NAGAR	HY008	9008129374
BHAVYA	LI_101	LI_101	MANAGER	33000.00	VIJAYNAGAR	LI010	7245913865
RAKSHITH	LI_102	LI_101	GENERAL INSTRUCTOR	27000.00	RAJAJINAGAR	LI010	8545937196
KARAN	MP_101	MP_101	MANAGER	38000.00	ILVALA	MP007	9816371553
ANITHA	MP_102	MP_101	GENERAL INSTRUCTOR	30000.00	HINKAL	MP007	9028634391
DAVID	PL_101	PL_101	MANAGER	30000.00	JP NAGAR 2ND CROSS	PL001	9865327845
RAJIV	PL_102	PL_101	GENERAL INSTRUCTOR	25000.00	JP NAGAR 3RD CROSS	PL001	9845127885
ROHITH	PL_103	PL_101	PERSONAL TRAINER	22000.00	VIDYANAGAR	PL001	8125476395
ASHOK	PL_104	PL_101	PERSONAL TRAINER	22000.00	ASHOKPURAM	PL001	6366576395
RIYA	QN_101	QN_101	MANAGER	60000.00	LAKSHMIPURAM	QN006	6366124303
VARSHA	QN_102	QN_101	GENERAL INSTRUCTOR	50000.00	MANANDAVADI ROAD	QN006	6366452125
SWATHI	QN_103	QN_101	PERSONAL TRAINER	45000.00	BANASHANKARI	QN006	9563217291
DEV	QN_104	QN_101	PERSONAL TRAINER	45000.00	VIDYANAGAR	QN006	9291547836
GAGAN	RS_101	RS_101	MANAGER	35000.00	BOGADI	RS002	6354653289
KARTHIK	RS_102	RS_101	GENERAL INSTRUCTOR	30000.00	GAYATRIPURAM	RS002	9656458712
KUNAL	RS_103	RS_102	PERSONAL TRAINER	28000.00	LAKSHMIPURAM	RS002	9565478451
THANMAYA	RS_104	RS_102	PERSONAL TRAINER	29000.00	VIJAYNAGAR 2ND PHASE	RS002	8152469875
VISHAL	RY_101	RY_101	MANAGER	40000.00	RAJAJINAGAR	RY005	8135496325
VARUN	RY_102	RY_101	GENERAL INSTRUCTOR	32000.00	SARAKKI	RY005	6354218525
NIYARA	RY_103	RY_101	PERSONAL TRAINER	29000.00	ASHOKPURAM	RY005	6374525125
KAVITHA	RY_104	RY_101	PERSONAL TRAINER	29000.00	LAKSHMIPURAM	RY005	9591525125
KUSHAL	UN_101	UN_101	MANAGER	35000.00	V.V PURAM	UN004	9678451254
KIRAN	UN_102	UN_101	GENERAL INSTRUCTOR	30000.00	V.V PURAM	UN004	9678451254
RAJ	UN_103	UN_101	PERSONAL TRAINER	28000.00	VIDYARANYAPURAM	UN004	8226398721
JAY	UN_104	UN_101	PERSONAL TRAINER	29000.00	VIDYARANYAPURAM 6TH PHASE	UN004	7125496325

## Execution of other Queries

```
mysql> SELECT G.GYM_NAME,SUM(P.AMOUNT) FROM PAYMENT P,GYM G WHERE P.GYM_ID=G.GYM_ID GROUP BY G.GYM_ID;
```

GYM_NAME	SUM(P.AMOUNT)
CRUNCH FITNESS	5400.00
GALAXY FITNESS	9800.00
HYBRID FITNESS	8600.00
LIFELINE FITNESS	11000.00
MUSCLE PLANT	4700.00
PLANET FITNESS	6300.00
QUEENS FITNESS	11600.00
ROCKSTAR FITNESS	7500.00
ROYAL FITNESS	4700.00
UNION FITNESS	3200.00

```
mysql> SELECT STAFF_NAME,COUNT(*) AS MEMBERS FROM MEMBERS JOIN STAFF USING (STAFF_ID) GROUP BY (STAFF_ID);
```

STAFF_NAME	MEMBERS
KRISHNA	1
LAVA	1
KHUSH	1
GOWRI	2
RAJESH	3
RAKSHITH	2
ANITHA	2
RAJIV	2
ROHITH	1
ASHOK	1
VARSHA	1
SWATHI	1
DEV	1
KARTHIK	3
KUNAL	1
THANMAYA	1
VARUN	1
NIYARA	1
RAJ	1
JAY	1

```
mysql> SELECT STAFF_ID,STAFF_NAME,MAX(SALARY),GYM_NAME FROM STAFF JOIN GYM USING(GYM_ID) GROUP BY GYM_ID;
```

STAFF_ID	STAFF_NAME	MAX(SALARY)	GYM_NAME
CR_101	KARISMA	34000.00	CRUNCH FITNESS
GF_101	RAJANI	36000.00	GALAXY FITNESS
HY_101	ARUN	35000.00	HYBRID FITNESS
LI_101	BHAVYA	33000.00	LIFELINE FITNESS
MP_101	KARAN	38000.00	MUSCLE PLANT
PL_101	DAVID	30000.00	PLANET FITNESS
QN_101	RIYA	60000.00	QUEENS FITNESS
RS_101	GAGAN	35000.00	ROCKSTAR FITNESS
RY_101	VISHAL	40000.00	ROYAL FITNESS
UN_101	KUSHAL	35000.00	UNION FITNESS

```
mysql> SELECT NAME,STAFF_NAME,PACKAGE_NAME,DOJ,GYM_NAME FROM MEMBERS M JOIN STAFF S ON M.STAFF_ID=S.STAFF_ID JOIN PACKAGE P ON P.PACKAGE_ID=M.PACKAGE_ID JOIN GYM G ON G.GYM_ID=M.GYM_ID;
```

NAME	STAFF_NAME	PACKAGE_NAME	DOJ	GYM_NAME
VINAY	LAVA	CARDIO + EQUIPMENT	2018-09-27	CRUNCH FITNESS
KARUNYA	KRISHNA	CARDIO + ABS + MUSCLES	2019-09-09	CRUNCH FITNESS
KAVANA	KHUSH	CARDIO + ZUMBA	2019-12-11	CRUNCH FITNESS
HARSHITH	GOWRI	CARDIO + EQUIPMENT	2021-03-23	GALAXY FITNESS
HARSHITHA	GOWRI	CARDIO + ABS + MUSCLES	2021-02-23	GALAXY FITNESS
PAIKSHITH	RAJESH	CARDIO + EQUIPMENT	2019-10-17	HYBRID FITNESS
KAVYA	RAJESH	CARDIO + ABS + MUSCLES	2020-09-13	HYBRID FITNESS
VARUN	RAJESH	CARDIO + ZUMBA	2021-01-02	HYBRID FITNESS
CHALUVAN	RAKSHITH	CARDIO + ABS + MUSCLES	2020-09-25	LIFELINE FITNESS
ABHISHEK	RAKSHITH	CARDIO + ZUMBA	2020-12-30	LIFELINE FITNESS
SANJAY	ANITHA	CARDIO + EQUIPMENT	2020-02-21	MUSCLE PLANT
TARUN	ANITHA	CARDIO + ABS + MUSCLES	2020-04-21	MUSCLE PLANT
SHASHANK	ROHITH	CARDIO + EQUIPMENT	2018-02-12	PLANET FITNESS
GAUTAM	ASHOK	CARDIO + EQUIPMENT	2019-12-12	PLANET FITNESS
RAKSHITH	RAJIV	CARDIO + EQUIPMENT	2019-02-21	PLANET FITNESS
MANAV	RAJIV	CARDIO + ABS + MUSCLES	2020-12-22	PLANET FITNESS
GAURI	VARSHA	CARDIO + EQUIPMENT	2020-12-27	QUEENS FITNESS
BHAVANI	SWATHI	CARDIO + ABS + MUSCLES	2020-10-27	QUEENS FITNESS
ANANYA	DEV	CARDIO + ZUMBA	2020-11-27	QUEENS FITNESS
KRUTHIK	KARTHIK	CARDIO + EQUIPMENT	2020-09-23	ROCKSTAR FITNESS
KEERTHI	KUNAL	CARDIO + EQUIPMENT	2019-10-24	ROCKSTAR FITNESS
LOHITH	THANMAYA	CARDIO + EQUIPMENT	2019-05-12	ROCKSTAR FITNESS
DASPRASAD	KARTHIK	CARDIO + ABS + MUSCLES	2018-04-22	ROCKSTAR FITNESS
MANOJ	KARTHIK	CARDIO + ZUMBA	2018-04-12	ROCKSTAR FITNESS
LANKESH	VARUN	CARDIO + EQUIPMENT	2020-11-28	ROYAL FITNESS
GAURAV	NIYARA	CARDIO + ABS + MUSCLES	2020-09-16	ROYAL FITNESS
VISHAK	JAY	CARDIO + EQUIPMENT	2019-08-25	UNION FITNESS
ARJUN	RAJ	CARDIO + ABS + MUSCLES	2019-12-15	UNION FITNESS

```
mysql> SELECT STAFF_NAME,GYM_ID,ADDRESS FROM STAFF WHERE SALARY=(SELECT MAX(SALARY) FROM STAFF WHERE SALARY<>(SELECT MAX(SALARY) FROM STAFF));
```

STAFF_NAME	GYM_ID	ADDRESS
VARSHA	QN006	MANANDAVADI ROAD