DBMS
ACTIVITY BASED ASSIGNMENT

TOPIC:GYM MANAGEMENT

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PROBLEM STATEMENT

Consider a Hotel' website "The Hotel Palace" which has many rooms various categories of rooms like prime, normal. VIP Stay etc. Customers can signup/register to the website to book of their choice and pay online. Here are some assumptions with respect to this scenario. More than one customer can have the same name.

There may be many rooms available, but each can book only one room. Rooms are booked with ID proof, with details of the customers. Rooms can be booked by different customers on different dates for different fairs.

1. Make a table of list of gym id's and it's details whose payment ID is 6 .
2. Give the details of the gym along with its trainers timing.
3. Create a list of gym names along with its price and gym type .

SCHEMA

- GYM

GYM_ID	GYM_NAME	ADDRESS	TYPE

- MEMBER

MEMBER_ID	NAME	DOB	AGE	PACKAGE	MOBILE_NO	PAY_ID	TRAINER_ID

- PAYMENT

PAYMENT_ID	AMOUNT	GYM_ID

- TRAINER

TRAINER_ID	NAME	TIME	MOBILE_NO	PAY_ID

ER DIAGRAM

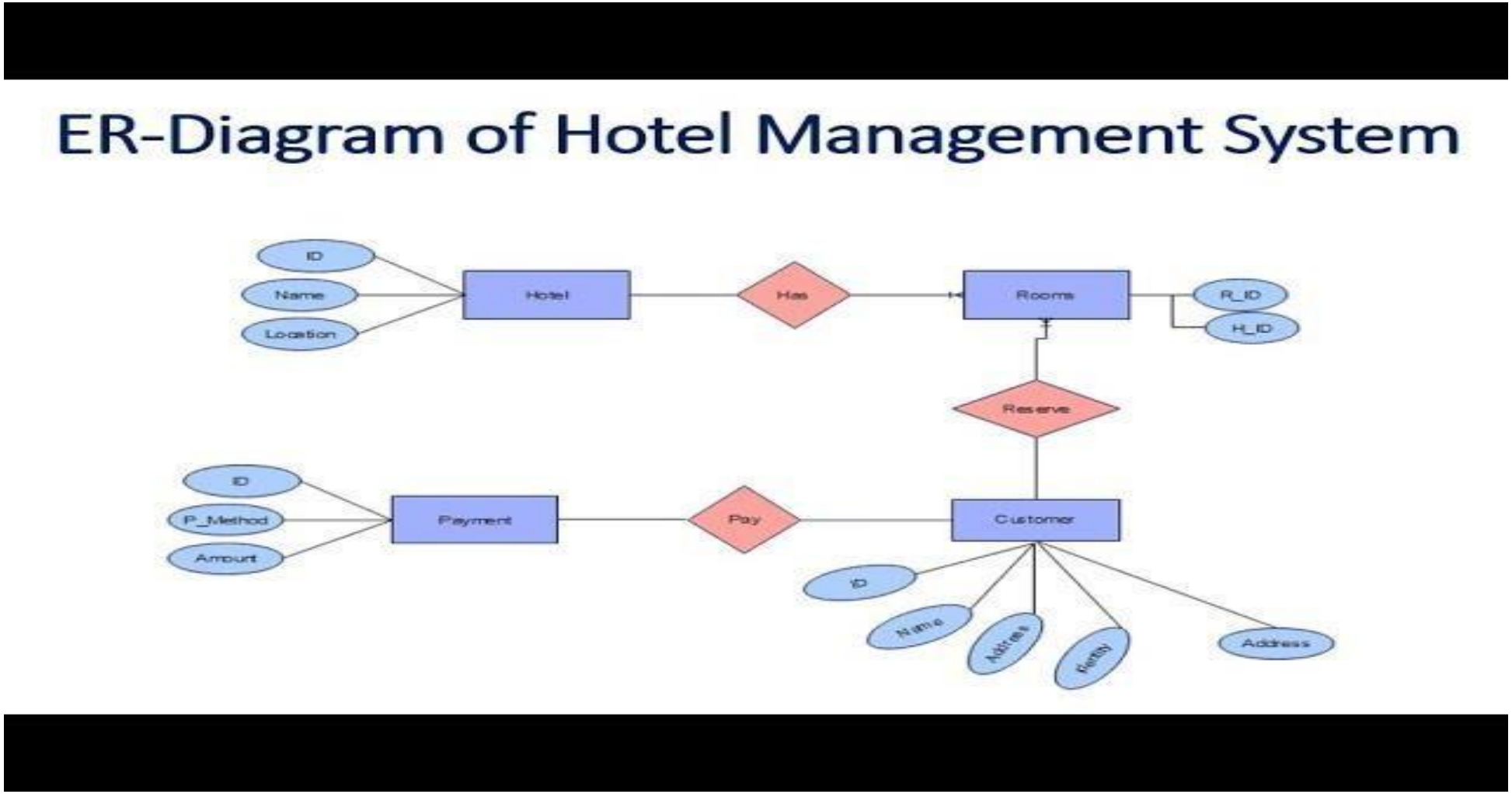

ER-Diagram of Hotel Management System
ID
Name
Location
Hotel
Has
Rooms
R_ID
H_ID
Reserve
ID
P_Method
Amount
Payment
Pay
Customer
ID
Name
Address
Address

TABLE CREATION

1. CREATE TABLE GYM (

   gym_id varchar(20) primary key ,

   gym_name varchar(30),

   address varchar(150) ,

   type varchar(20)) ;

GYM

gym_id	gym_name	address	type
GYM1	GYM LAND	Shiv Nagar	men
GYM2	TARGET ZONE	Shanthi Nagar	unisex
GYM3	GEORGE GYM	Mahesh Nagar	unisex
GYM4	SUNNY GYM FITNESS STATION	Rupali Complex	women
GYM5	A3 FITNESS GYM	Ramnagar Colony	men
GYM6	SHAPE GYM	Zion Colony	unisex
GYM7	TITAN GYM	Old City	women
GYM8	TIGERS TOP GYM	Madival Circle	men

INSERT INTO gym values (&gym_id, `&gym_name`, `&address`, `&type`)

TABLE CREATION

2. CREATE TABLE `member` (
    mem_id varchar(20) primary key NOT NULL,
    name varchar(30) DEFAULT NULL,
    dob varchar(20) DEFAULT NULL,
    age varchar(20) DEFAULT NULL,
    package varchar(10) DEFAULT NULL,
    mobileno varchar(10) DEFAULT NULL,
    pay_id varchar(20) DEFAULT NULL,
    trainer_id varchar(20) DEFAULT NULL);

mem_id	name	dob	age	package	mobileno	pay_id
M1	Aditya	18/08/1994	26	5200	8888888888	Payment1
M2	Karan	26/06/1998	21	4800	9988998899	Payment2
M3	Chirag	22/07/1997	22	6400	9977997799	Payment3
M4	Abhishek	21/08/1998	21	5400	9966996699	Payment4
M5	Veeresh	24/06/1999	20	6000	9955995599	Payment5

INSERT INTO member VALUES (&mem_id, `&name`, `&dob`, '&age', `&package`, `&mobileno`, `&pay_id`, `&trainer_id`)

TABLE CREATION

3. CREATE TABLE PAYMENT (

pay_id varchar(20) NOT NULL,

amount varchar(20) DEFAULT NULL,

gym_id varchar(20) DEFAULT NULL);

Payment

pay_id	amount	gym_id
Payment1	5200	GYM1
Payment2	4800	GYM2
Payment3	6400	GYM3
Payment4	5400	GYM4
Payment5	6000	GYM5
Payment6	4500	GYM6
Payment7	5500	GYM7
Payment8	6100	GYM8

INSERT INTO PAYMENT VALUES(`&pay_id`, `&amount`, `&gym_id`)

TABLE CREATION

4. CREATE TABLE TRAINER (

trainer_id varchar(20) primary key NOT NULL,

name varchar(20) DEFAULT NULL,

time varchar(10) DEFAULT NULL,

mobileno varchar(10) DEFAULT NULL,

pay_id varchar(20) DEFAULT NULL);

Trainer

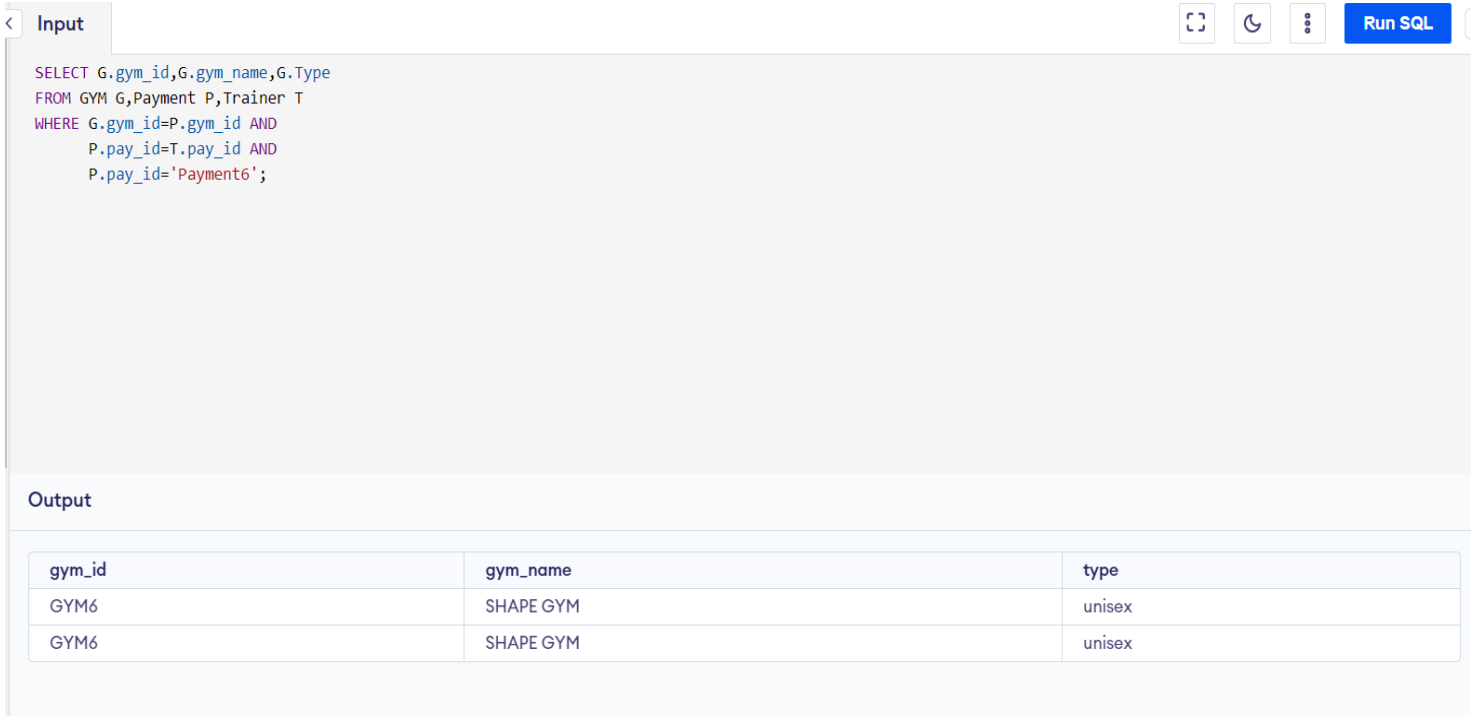
trainer_id	name	time	mobileno	pay_id
T1	George	5:00 AM	9999999999	Payment1
T2	Tanveer	9:00 AM	8888888888	Payment2
T3	Wong Lee	11:00 AM	7777777777	Payment3
T4	Kiran Das	1:00 PM	6666666666	Payment6
T5	Harry Styles	3:00 PM	6655665566	Payment5
T6	James Corden	5:00 PM	6677667766	Payment6
T7	Jimmy Kimmel	7:00 PM	6688668866	Payment7
T8	Ray Berlin	9:00 PM	6699669966	Payment8

INSERT INTO TRAINER VALUES(`&trainer_id`, `&name`, `&time`, `&mobileno`, `&pay_id`)

QUERIES

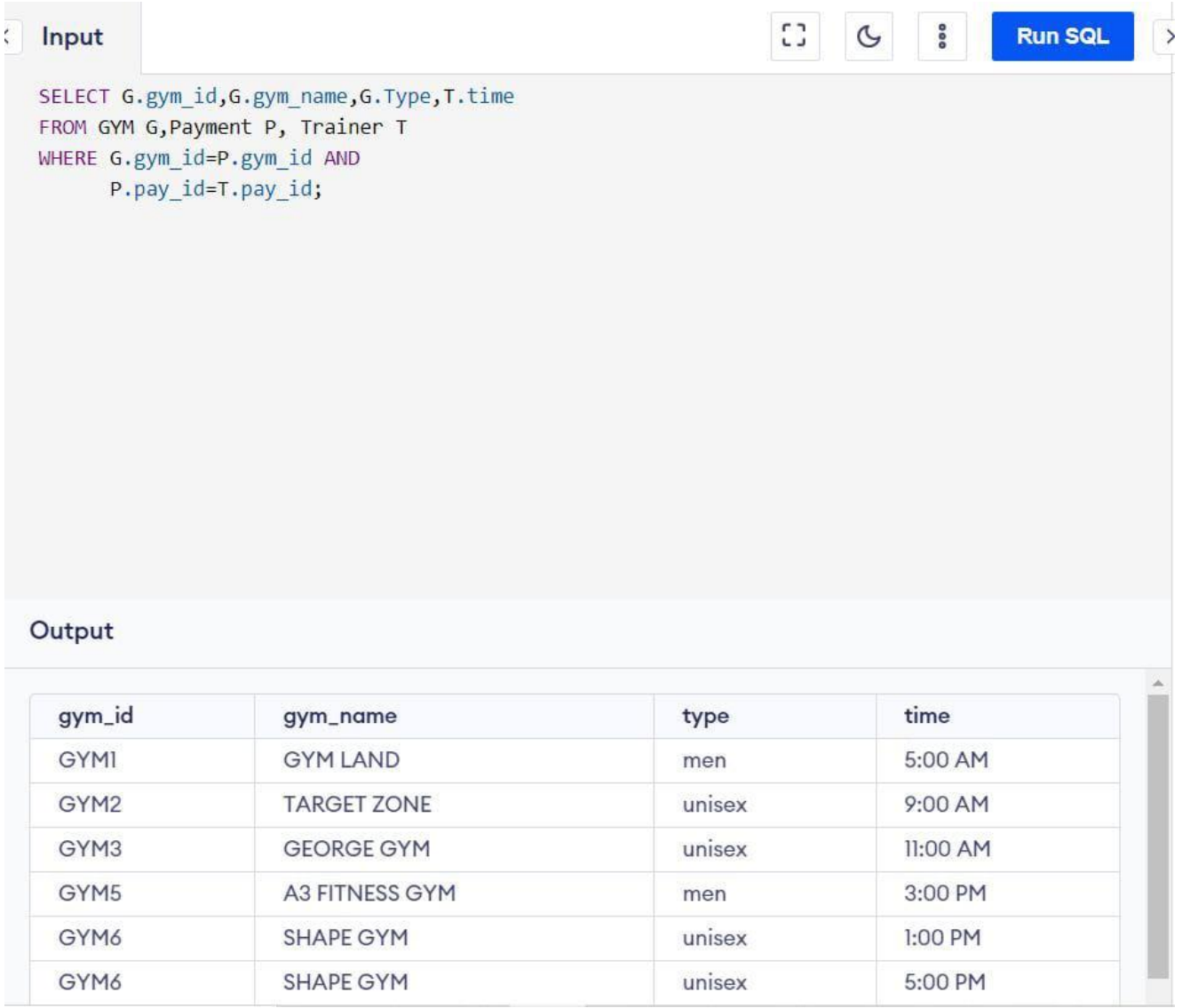
1.Make a table of list of gym id's and it's details whose payment ID is 6 .

```
SELECT G.gym_id,G.gym_name,G.Type,G.address
FROM GYM G,Payment P, Trainer T
WHERE G.gym_id=P.gym_id AND P.pay_id=T.pay_id
AND      P.pay_id='Payment6';
```



2. Give the details of the gym along with its trainers timing.

```
SELECT G.gym_id,G.gym_name,G.Type,T.time
FROM GYM G,Payment P, Trainer T
WHERE G.gym_id=P.gym_id  AND
P.pay_id=T.pay_id;
```



gym_id	gym_name	type	time
GYM1	GYM LAND	men	5:00 AM
GYM2	TARGET ZONE	unisex	9:00 AM
GYM3	GEORGE GYM	unisex	11:00 AM
GYM5	A3 FITNESS GYM	men	3:00 PM
GYM6	SHAPE GYM	unisex	1:00 PM
GYM6	SHAPE GYM	unisex	5:00 PM

3. Create a list of gym names along with its price and gym type .

```
SELECT G.gym_id,G.gym_name,G.Type,P.amount
FROM GYM G,Payment P, Trainer T
WHERE G.gym_id=P.gym_id AND
P.pay_id=T.pay_id;
```

Input

Run SQL

```
SELECT G.gym_id,G.gym_name,G.Type,P.amount
FROM GYM G,Payment P, Trainer T
WHERE G.gym_id=P.gym_id AND
      P.pay_id=T.pay_id;
```

Output

gym_id	gym_name	type	amount
GYM1	GYM LAND	men	5200
GYM2	TARGET ZONE	unisex	4800
GYM3	GEORGE GYM	unisex	6400
GYM5	A3 FITNESS GYM	men	6000
GYM6	SHAPE GYM	unisex	4500
GYM6	SHAPE GYM	unisex	4500
GYM7	TITAN GYM	women	5500

THANK YOU