



# course Code: CSE-2424

COURSE TITLE: DATABASE MANAGEMENT SYSTEM

## submitted To

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# Submitted by,

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#### DRZ PARKING SYSTEM

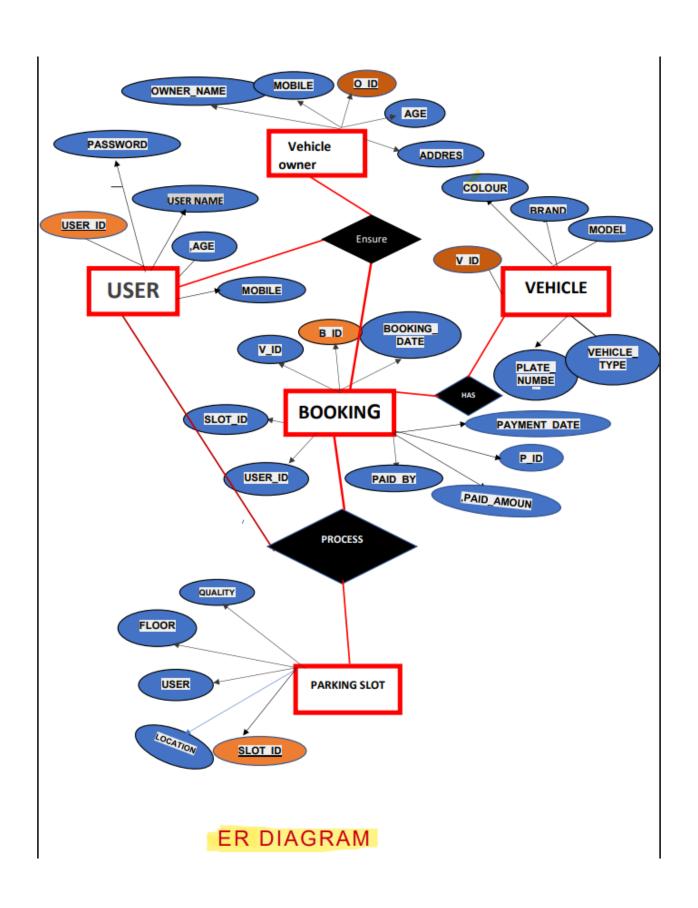


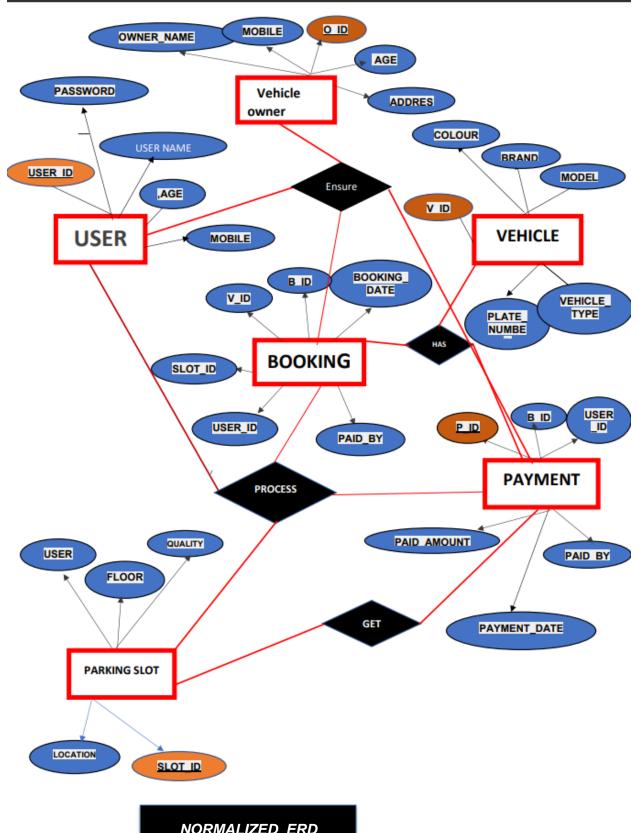
The main aim of this project is to reduce the traffic in the parking place. Normally we can see in the multiplexes, cinema halls, large industries, and function halls there is a problem. They have to go and search which line is empty and which line has a place to park the vehicle, for parking then they need workers for parking in correct position it is the money consumed process. so to avoid this problem Car Parking System project is implemented.

Managing car parks isn't an easy task for companies and organizations because there are lots of moving parts including traffic and the availability of spaces. It is a time-consuming task, requires human labor, and is inefficient. Using a parking management system can help reduce a business's administrative overhead on parking and reduce the impact of their parking space on their local community.

The system consists of a user-friendly interface that allows users to access parking lot information, reserve parking spaces, and track their parking history. It also provides real-time availability updates, ensuring that users can find and secure parking spots easily.

For parking lot administrators, the system offers powerful tools for managing parking lots, monitoring occupancy levels, generating reports, and facilitating seamless transactions. It automates the process of vehicle entry and exit, utilizing technologies such as license plate recognition and ticketless access systems.





NORMALIZED\_ERD



- 1.User (USER ID, USER\_NAME, MOBILE, PASSWORD, AGE)
- 2. Vehicle (V ID, COLOUR, BRAND, PLATE\_NUMBER, MODEL, VEHICLE\_TYPE)
- 3. Vehicle Owner (O\_ID, OWNER\_NAME, AGE, MOBILE, ADDRESS)
- 4.Parking Slot (SLOT\_ID, LOCATION, USER\_ID, QUALITY, FLOOR)
- 5.Booking -(B ID, V ID, SLOT ID, USER ID, PAID BY, BOOKING DATE, DUE)
- 6.Payment (P ID, B\_ID, USER\_ID, PAID\_BY, PAID\_AMOUNT, PAYMENT\_DATE)

#### **DDL STATEMENTS & TABLES WITH DATA**



CREATE TABLE "USERS"

("USER ID" VARCHAR2(40) NOT NULL ENABLE,

"USER\_NAME" VARCHAR2(40) NOT NULL ENABLE,

"MOBILE" VARCHAR2(40) NOT NULL ENABLE,

"PASSWORD" VARCHAR2(40) NOT NULL ENABLE,

"AGE" NUMBER(10,0) NOT NULL ENABLE,

CONSTRAINT "USERS\_PK" PRIMARY KEY ("USER\_ID") ENABLE

# **USER TABLE**

EDIT	USER_ID	USER_NAME	MOBILE	PASSWORD	AGE
	U2	WASIM	0140078022	YY11	32
	U4	PRIYA	0185478004	YY0099	45
	U9	HASNAT	0138547864	HSS66	20
	U3	FAHIM	0175278960	V009	41
	U7	FARUK	0175278860	o1GTG	27
	U8	SADIA	01474758777	SADIYA11	23
	U1	JIM	0175478964	22AA	21
	U5	VK YASIR	0185470000	11PPOO	19
	U10	MIMI	014007777	2522DDD	50
	U6	JANNAT	0185470004	TRUCK55	15



```
CREATE TABLE "VEHICLE"

( "V_ID" VARCHAR2(10) NOT NULL ENABLE,

"COLOUR" VARCHAR2(40) NOT NULL ENABLE,

"BRAND" VARCHAR2(40) NOT NULL ENABLE,

"PLATE_NUMBER" VARCHAR2(40) NOT NULL ENABLE,

"MODEL" VARCHAR2(40) NOT NULL ENABLE,

"VEHICLE_TYPE" VARCHAR2(40),

CONSTRAINT "VEHICLE_PK" PRIMARY KEY ("V_ID")

ENABLE,

CONSTRAINT "VEHICLE_UK1" UNIQUE ("V_ID",

"PLATE_NUMBER") ENABLE

)
/
```

# **VEHICLE TABLE**

EDIT	V_ID	COLOUR	BRAND	PLATE_NUMBER	MODEL	VEHICLE_TYPE
	V003	BLACK	YAMAHA	1211111	R15	BIKE
	V007	MARRON	HONDA	44544	HCC4	TRUCK
	V009	NAVY	TUCSON	441441	CX667	SCOOTER
	V010	GREEN	TATA	115544	T676	TEXI
	V002	GREEN	TATA	145454	TATA.CC	CRANE
	V004	BLUE	MARVEL	45454	C444	TAXI
	V006	GREY	Mazda	453453	G56	POLICE VAN
	V008	WHITE	LEXUS	445445	LU334	CAR
	V001	RED	BMW	112111	BMW_IX	AMBULANCE
	V005	YELLOW	JAMPA	45462	J334	BICYCLE



CREATE TABLE "VEHICLE\_OWNER"

("O\_ID" VARCHAR2(40) NOT NULL ENABLE,

"OWNER\_NAME" VARCHAR2(100) NOT NULL ENABLE,

"AGE" NUMBER(10,0) NOT NULL ENABLE,

"MOBILE" VARCHAR2(40) NOT NULL ENABLE,

"ADDRESS" VARCHAR2(40) NOT NULL ENABLE,

CONSTRAINT "VEHICLE\_OWNER\_PK" PRIMARY KEY ("O\_ID") ENABLE



# PARKING\_SLOT SQL

CREATE TABLE "PARKING\_SLOT"

("SLOT\_ID" VARCHAR2(400) NOT NULL ENABLE,

"LOCATION" VARCHAR2(400) NOT NULL ENABLE,

USER\_ID" VARCHAR2(40) NOT NULL ENABLE,

"QUALITY" VARCHAR2(4000) NOT NULL ENABLE,

"FLOOR" VARCHAR2(4000) NOT NULL ENABLE,

CONSTRAINT "PARKING\_SLOT\_PK" PRIMARY KEY ("SLOT\_ID") ENABLE,

CONSTRAINT "PARKING\_SLOT\_UK1" UNIQUE ("SLOT\_ID", "USER\_ID") ENABLE,

CONSTRAINT "PARKING\_SLOT\_FK2" FOREIGN KEY ("USER\_ID")

REFERENCES "USERS" ("USER\_ID") ENABLE

## PARKING\_SLOT TABLE

EDIT	SLOT_ID	LOCATION	USER_ID	QUALITY	FLOOR
	S3	3B	U3	PREMIUM	2ND
	S5	5E	U5	DISABLE AREA	3RD
	<b>S</b> 7	7G	U7	PREMIUM	2ND
	<b>S</b> 9	9Y	U9	PREMIUM	2ND
	S2	2B	U2	VIP	1ST
	S4	4B	U4	DISABLE AREA	3RD
	S8	8M	U8	VIP	1ST
	S10	10U	U10	GENARAL	GROUND
	S6	6F	U6	VIP	1ST
	S1	1A	U1	GENARAL	GROUND



#### CREATE TABLE "BOOKING"

("B\_ID" VARCHAR2(100) NOT NULL ENABLE,

"V\_ID" VARCHAR2(100) NOT NULL ENABLE,

"SLOT\_ID" VARCHAR2(100) NOT NULL ENABLE,

"USER\_ID" VARCHAR2(100) NOT NULL ENABLE,

"PAID\_BY" VARCHAR2(50) NOT NULL ENABLE,

"BOOKING\_DATE" DATE,

"DUE NUMBER(10,0),

CONSTRAINT "BOOKING\_PK" PRIMARY KEY ("B\_ID") ENABLE,

CONSTRAINT "BOOKING\_UK1" UNIQUE ("B\_ID", "V\_ID", "USER\_ID", "SLOT\_ID") ENABLE,

CONSTRAINT "BOOKING\_FK" FOREIGN KEY ("V\_ID")

REFERENCES "VEHICLE" ("V\_ID") ENABLE,

CONSTRAINT "BOOKING\_FK2" FOREIGN KEY ("SLOT\_ID")

REFERENCES "PARKING\_SLOT" ("SLOT\_ID") ENABLE,

CONSTRAINT "BOOKING\_FK3" FOREIGN KEY ("USER\_ID")

REFERENCES "USERS" ("USER\_ID") ENABLE)

# **BOOKING TABLE**

EDIT	B_ID	V_ID	SLOT_ID	USER_ID	PAID_BY	BOOKING_DATE	DUE
	B1	V001	S1	U1	MAHFUZ	01-MAY-23	500
	B2	V002	S2	U2	PRIYA	02-MAY-23	400
	B5	V005	S5	U5	EMU	05-MAY-23	1000
	B6	V006	S6	U6	TAHSIN	06-JUN-23	550
	B8	V008	S8	U8	MAHI	15-MAY-23	780
	B10	V010	S10	U10	HASNAT	20-MAY-23	400
	В3	V003	S3	U3	JIYA	03-MAY-23	600
	B4	V004	S4	U4	OMOR	04-MAY-23	800
	B7	V007	S7	U7	HASAN	09-MAY-23	700
	В9	V009	S9	U9	JAMAL	21-MAY-23	1500



#### CREATE TABLE "PAYMENT"

("P\_ID" VARCHAR2(100) NOT NULL ENABLE,

"B\_ID" VARCHAR2(100) NOT NULL ENABLE,

"USER\_ID" VARCHAR2(100) NOT NULL ENABLE,

"PAID\_BY" VARCHAR2(100) NOT NULL ENABLE,

"PAID\_AMOUNT NUMBER(10,0) NOT NULL ENABLE,

"PAYMENT DATE" DATE NOT NULL ENABLE,

CONSTRAINT "PAYMENT\_PK" PRIMARY KEY ("P\_ID") ENABLE,

CONSTRAINT "PAYMENT\_UK1" UNIQUE ("P\_ID", "B\_ID", "USER\_ID") ENABLE,

CONSTRAINT "PAYMENT\_CK1" CHECK ("PAID\_AMOUNT">0) ENABLE,

CONSTRAINT "PAYMENT\_FK" FOREIGN KEY ("B\_ID")

REFERENCES "BOOKING" ("B\_ID") ENABLE,

CONSTRAINT "PAYMENT\_FK2" FOREIGN KEY ("USER\_ID")

REFERENCES "USERS" ("USER\_ID") ENABLE

# PAAYMENT TABLE

EDIT	P_ID	B_ID	USER_ID	PAID_BY	PAID_AMOUNT	PAYMENT_DATE
	P3	ВЗ	U3	JIYA	600	03-MAY-23
	P10	B10	U10	HASNAT	400	20-MAY-23
	P1	B1	U1	MAHFUZ	500	01-MAY-23
	P5	B5	U5	EMU	1000	05-MAY-23
	P6	B6	U6	TAHSIN	550	06-JUN-23
	P9	B9	U9	JAMAL	1500	21-MAY-23
	P2	B2	U2	PRIYA	400	02-MAY-23
	P4	B4	U4	OMOR	800	04-MAY-23
	P7	B7	U7	HASAN	700	09-MAY-23
	P8	B8	U8	МАНІ	780	15-MAY-23

)

# A) SEARCHING DATA IN POSSIBLE WAYS (AT LEAST TEN WAYS) FROM INDIVIDUAL TABLE

#### 1.FIND THE OWNER INFORMATION ABOUT "MAHFUZ"

#### SQL>>

SELECT\*

FROM VEHICLE\_OWNER
WHERE OWNER NAME = 'MAHFUZ'

O_ID	OWNER_NAME	AGE	MOBILE	ADDRESS
01	MAHFUZ	25	0145478964	CHITTAGONG

**2.**FIND THE SUMMATION PAYMENT OF "DUE\_AMOUNT".

SQL>>

SELECT SUM(PAID\_AMOUNT)
FROM PAYMENT

SUM(PAID\_AMOUNT)

7230

#### 3.FIND THE DETAILS ABOUT "TATA" BRAND.

#### SQL>>

SELECT \*

FROM VEHICLE

WHERE BRAND='TATA'

V_ID	COLOUR	BRAND	PLATE_NUMBER	MODEL	VEHICLE_TYPE
V010	GREEN	TATA	115544	T676	TEXI
V002	GREEN	TATA	145454	TATA.CC	CRANE

#### 4.FIND THE MINIMUM AGE FROM OWNER TABLE

#### SQL>>

SELECT MIN(AGE)

FROM VEHICLE\_OWNER

MIN(AGE)

#### 5.FIND THE DETAILS WHOSE ARE USED 'VIP' QULITY SLOT.

#### SQL>>

SELECT SLOT\_ID, QUALITY,FLOOR FROM PARKING\_SLOT WHERE QUALITY='VIP'

SLOT_ID	QUALITY	FLOOR
S2	VIP	1ST
S8	VIP	1ST
S6	VIP	1ST

#### 6.SHOW THE HASAN PAID\_AMOUNT IN DECENDING ORDER.

SQL>>

SELECT PAID\_BY,PAID\_AMOUNT FROM PAYMENT WHERE PAID\_BY='HASAN' ORDER BY PAID\_AMOUNT DESC

PAID_BY	PAID_AMOUNT
HASAN	700

#### 7.FIND DETAILS WHOSE NAME STARTS WIH "P".

SQL>>

**SELECT** \*

FROM VEHICLE\_OWNER

WHERE OWNER\_NAME LIKE 'P%'

O_ID	OWNER_NAME	AGE	MOBILE	ADDRESS
02	PRIYA	45	0175478964	DHAKA

#### **8.**SHOW THE 2<sup>ND</sup> FLOOR DETAILS

SQL>>

SELECT\*

FROM PARKING SLOT

WHERE FLOOR='2ND'

SLOT_ID	LOCATION	USER_ID	QUALITY	FLOOR
S3	3B	U3	PREMIUM	2ND
S7	7G	U7	PREMIUM	2ND
S9	9Y	U9	PREMIUM	2ND

#### 9. FIND THE 'VEHICLE TYPE' COLOUR IN ASCENDING ORDER.

#### SQL>>

SELECT COLOUR, VEHICLE\_TYPE FROM VEHICLE ORDER BY COLOUR ASC

COLOUR	VEHICLE TYPE
BLACK	BIKE
BLUE	TAXI
GREEN	CRANE
GREEN	TEXI
GREY	POLICE VAN
MARRON	TRUCK
NAVY	SCOOTER
RED	AMBULANCE
WHITE	CAR
YELLOW	BICYCLE

10.FIND THE BOOKING DATE WHICH ARE BETWEEN 1-MAY-20.
MAY-2023

SQL>>

SELECT PAID\_BY,B\_ID,BOOKING\_DATE FROM BOOKING

WHERE BOOKING\_DATE BETWEEN '2-MAY-23' AND '5-MAY-23'

PAID_BY	B_ID	BOOKING_DATE
PRIYA	B2	02-MAY-23
EMU	B5	05-MAY-23
JIYA	B3	03-MAY-23
OMOR	B4	04-MAY-23

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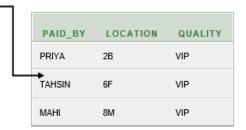
## B) SEARCHING DATA IN POSSIBLE WAYS (AT LEAST 05 WAYS) FROM MULTIPLE TABLES

# 1. FIND THE LOCATION WHOSE USED 'VIP' QUALITY

SQL>>

SELECT PAID\_BY ,LOCATION, QUALITY FROM BOOKING NATURAL JOIN PARKING\_SLOT WHERE QUALITY='VIP'

RESULT



## f 2 . FIND THE USER ID WHOSE DUE LESS THEN 500

SQL>>

SELECT USER ID, DUE

FROM USERS NATURAL JOIN BOOKING WHERE DUE<500



3. FIND THE USER INFORMATION WHO IS BOOKED VEHICLE IN 5 MAY.

SQL>>

SELECT USER\_ID, PAID\_BY AS CASTOMER\_NAME, BOOKING DATE, DUE

FROM USERS NATURAL JOIN BOOKING WHERE BOOKING DATE='05-MAY-23'

RESULT

USER\_ID CASTOMER\_NAME BOOKING\_DATE DUE
US EMU 05-MAY-23 1000

4.

SHOWING USER INFORMATION WHOSE USED QULITY SPACE IN PARKING SLOT.

SQL>>

FROM PARKING\_SLOT, USERS
WHERE PARKING\_SLOT .USER\_ID
=USERS.USER\_ID

RESULT

USER\_NAME QUALITY WASIM DISABLE PRIYA AREA HASNAT PREMIUM FAHIM PREMIUM FARUK PREMIUM SADIA GENARAL DISABLE VK YASIR AREA GENARAL JANNAT

5 SHOWING ALL INFORMATION USERS AND PAYMENT TABLE USING LEFT OUTER JOIN.

SQL>>

#### SELECT \*

#### FROM PAYMENT LEFT JOIN USERS

#### ON PAYMENT.USER\_ID =USERS.USER\_ID;



P_ ID	B_ ID	USER _ID	PAID _BY	PAID_AM OUNT	PAYMENT _DATE	USER _ID	USER_N AME	MOBIL E	PASSW ORD	A G E
P2	B2	U2	PRIYA	400	02-MAY-23	U2	WASIM	0140078 022	YY11	32
P4	В4	U4	OMOR	800	04-MAY-23	U4	PRIYA	0185478 004	YY0099	45
P9	B9	U9	JAMAL	1500	21-MAY-23	U9	HASNAT	0138547 864	HSS66	20
P3	В3	U3	JIYA	600	03-MAY-23	U3	FAHIM	0175278 960	V009	41
P7	В7	U7	HASAN	700	09-MAY-23	U7	FARUK	0175278 860	o1GTG	27
P8	В8	U8	MAHI	780	15-MAY-23	U8	SADIA	0147475 8777	SADIYA1 1	23
P1	B1	U1	MAHF UZ	500	01-MAY-23	U1	JIM	0175478 964	22AA	21
P5	B5	U5	EMU	1000	05-MAY-23	U5	VK YASIR	0185470 000	11PP00	19
P10	B10	U10	HASNA T	400	20-MAY-23	U10	MIMI	0140077 77	2522DDD	50
P6	B6	U6	TAHSI N	550	06-JUN-23	U6	JANNAT	0185470 004	TRUCK55	15

# C) ALL TYPES OF SUB-QUERIES

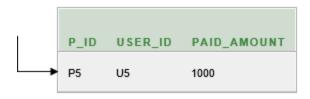
## 1. FIND WHICH PAYMENT PAID AMOUNT SAME AS PAID AMOUNT = 1000



SELECT P\_ID,USER\_ID,PAID\_AMOUNT

FROM PAYMENT

WHERE PAID\_AMOUNT = (SELECT PAID\_AMOUNT FROM PAYMENT WHERE PAID\_AMOUNT=1000);



## 2 FIND THE ADRESS OF "JIINAH".



SELECT OWNER\_NAME, ADDRESS

FROM VEHICLE\_OWNER

WHERE ADDRESS = (SELECT ADDRESS

FROM VEHICLE\_OWNER

WHERE OWNER\_NAME = 'JINNAH')



OWNER_NAME	ADDRESS
JINNAH	ZAMALKHAN

# 3.FIND THE USER INFORMATION WHOSE AGE IS NOT 20.

### SQL>>

SELECT USER\_NAME, USER\_ID, AGE

FROM USERS

WHERE AGE NOT IN (SELECT AGE

FROM USERS WHERE AGE >20);

USER_NAME	USER_ID	AGE
JANNAT	U6	15
HASNAT	U9	20
VK YASIR	U5	19

# 4.SHOW THE INFORMATION WHOSER PAID AMOPUNT AS SAME AS 'MAHI'

#### SQL>>

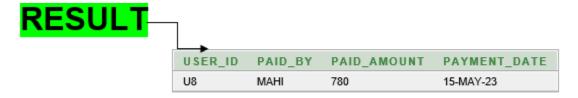
SELECT USER\_ID ,PAID\_BY,PAID\_AMOUNT,PAYMENT\_DATE

FROM PAYMENT

WHERE PAID\_BY=(SELECT PAID\_BY

**FROM PAYMENT** 

WHERE PAID\_BY='MAHI')



# 5 FIND THE BOOKING USERS DETAILS WHOSE DUE MORE THEN 500

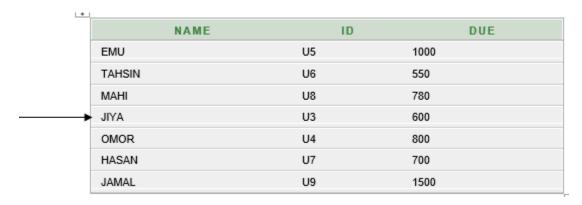
## SQL>>

SELECT PAID\_BY AS NAME, USER\_ID AS ID, DUE

FROM BOOKING

WHERE DUE IN (SELECT DUE

#### FROM BOOKING WHERE DUE>500)



## D) PL/SQL (AT LEAST 5 TYPES)

1 ■SHOW THE DETAILS WHOSE USER\_ID IS 'U5'

PL\_SQL

**DECLARE** 

A PAYMENT.USER ID%type;

B PAYMENT.P\_ID%type;

```
C PAYMENT.PAID_AMOUNT%type;

BEGIN

SELECT USER_ID,P_ID,PAID_AMOUNT INTO A,B,C

FROM PAYMENT

WHERE USER_ID='U5';

dbms_output.put_line('USER_Details:');

dbms_output.put_line('USER_ID: '||A);

dbms_output.put_line('P_ID: '||B);

dbms_output.put_line('Agent_PAID_AMOUNT: '||C);

END;

RESULT
```

**NLOUL** 

USER\_Details: USER\_ID : U5 P\_ID : P5 Agent\_PAID\_AMOUNT : 1000

Statement processed.

0.03 seconds

## 2.SHOW THE IMFORMATION ABOUT "JANNAT

PL SQL

USERS.USER\_ID%type;

```
B USERS.USER_NAME%type;

C USERS.MOBILE%type;

BEGIN

SELECT USER_ID,USER_NAME,MOBILE INTO A,B,C

FROM USERS

WHERE USER_NAME='JANNAT';

dbms_output.put_line('USER INFORMATION:');

dbms_output.put_line('USER_ID : '||A);

dbms_output.put_line('USER_NAME : '||B);

dbms_output.put_line('MOBILE : '||C);

END;
```

#### RESULT

USER INFORMATION:

USER\_ID : U6

USER NAME : JANNAT

MOBILE: 0185470004

Statement processed.

0.01 seconds

# 3.SHOW ALL PAYMENT INFORMATION.

## PL SQL>>

```
DECLARE
A PAYMENT%rowtype;
cursor C IS
SELECT*
FROM PAYMENT;
BEGIN
OPEN C:
dbms_output_line('PAYMENT DETAILS: ');
dbms_output.put_line(' ');
LOOP
FETCH C INTO A;
EXIT WHEN C%notfound;
dbms_output.put_line('payment Id :'||A.P_ID);
dbms_output.put_line('Name :'|/A.PAID_BY);
dbms_output.put_line('amount:'|/A.PAID_AMOUNT);
dbms_output.put_line('date :'||A.PAYMENT_DATE);
dbms_output.put_line(' ');
END LOOP;
CLOSE C;
END;
```



PAYMENT DETAILS: payment Id :P9
Name :JAMAL

payment Id :P3 date :21-MAY-23 Name :JIYA

amount :600 payment Id :P2 date :03-MAY-23 Name :PRIYA

payment Id :P10 amount :400 date :02-MAY-23

Name :HASNAT amount :400 payment Id :P4

date :20-MAY-23 Name :OMOR amount :800

payment Id :P1 date :04-MAY-23
Name :MAHFUZ

amount :500 payment Id :P7
date :01-MAY-23 Name :HASAN
amount :700

payment Id :P5 date :09-MAY-23
Name :EMU

amount :1000 payment Id :P8
date :05-MAY-23 Name :MAHI
amount :780

payment Id :P6 date :15-MAY-23
Name :TAHSIN

amount :550 date :06-JUN-23

Statement processed.

## 4. FIND THE INFORMATION ABOUT PARKING\_SLOT.

#### PL SQL>>

**DECLARE** 

A PARKING\_SLOT%rowtype;

cursor C IS

**SELECT\*** 

FROM PARKING\_SLOT;

**BEGIN** 

OPEN C;

```
dbms_output.put_line('PARKING_SLOT INFORMATION: ');
dbms_output.put_line(' ');
LOOP
FETCH C INTO A;
EXIT WHEN C%notfound;
dbms_output.put_line(' Id :'||A.SLOT_ID);
dbms_output.put_line('loc:'|/A.LOCATION);
dbms_output.put_line(' quality :'||A.QUALITY);
dbms_output.put_line('floor :'||A.FLOOR);
dbms_output.put_line(' ');
END LOOP;
CLOSE C;
                RESULT
END;
                                      1d:54
                                     loc:4B
PARKING SLOT INFORMATION:
                                      quality :DISABLE AREA
                                     floor :3RD
Id :S3
loc:3B
                                      Id:S8
quality :PREMIUM
                                     loc:8M
floor :2ND
                                      quality :VIP
                                     floor :1ST
Id :S5
loc:5E
                                     Id :S10
quality :DISABLE AREA
                                     loc:10U
floor :3RD
                                     quality :GENARAL
                                     floor :GROUND
Id :S7
loc:7G
                                      Id :S6
quality :PREMIUM
                                     loc:6F
floor :2ND
                                      quality :VIP
                                     floor :1ST
Id:59
loc:9Y
                                      Id:S1
quality : PREMIUM
                                     loc:1A
floor :2ND
                                      quality :GENARAL
                                     floor :GROUND
Id:52
loc:2B
quality :VIP
                                     Statement processed.
floor :1ST
```

#### **5.SHOW LOGIN INFORMATION WHOSE AGE IS 21.**

#### PL SQL>>

```
DECLARE

A USERS.USER_ID%type;

B USERS.AGE%type;

C USERS.PASSWORD%type;

BEGIN

SELECT USER_ID,AGE,PASSWORD INTO A,B,C

FROM USERS

WHERE AGE = '21';

dbms_output.put_line('LOGIN INFO :');

dbms_output.put_line('USER_ID : '||A);

dbms_output.put_line('AGE : '||B);

dbms_output.put_line('PASSWORD : '||C);

END;
```

## **RESULT**

LOGIN INFO : USER\_ID : U1

AGE : 21

PASSWORD : 22AA

Statement processed.

## **CONCLUSION**

Implementing a Vehicle Parking Management System project in DBMS enhances data management, security, scalability, and performance, leading to efficient and effective parking operations management. By utilizing a DBMS, the system can efficiently organize and manage parking-related data, ensuring data integrity consistency. The robust security features of a DBMS help protect sensitive information and prevent unauthorized access. Additionally, the scalability of the DBMS allows the parking management system to handle increasing data volumes and accommodate growing parking operations. The performance optimization techniques provided by the DBMS ensure fast and efficient data retrieval, even during peak times. Overall, these benefits contribute to the efficient and effective management of parking operations, enhancing the overall user experience and operational efficiency of the system.

# Thank you!! |^|ASSALAMUALAIKUM|^|