

SHOP MANAGEMENT SYSTEM

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INTRODUCTION

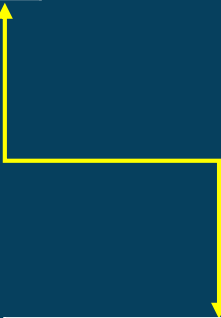
A Shop Management System is the heartbeat of modern retail operations. It is used to maintain shop records. It tracks the records of the number of products in the shop, how many products are issued, or how many products have been returned or sold etc.

●Customer
C_id
Name
Address
Phone_number
Email

●Product
P_id
P_name
Amount

●Stock
P_id
Quantity

●Order_detail
Ord_id
P_id
Quantity



DATABASE DESIGN

Database :- Shop Management System

Tables;

- Customer
- Product
- Order_detail
- Stock

SYNTAX : SHOW TABLES;

```
MariaDB [shop_management_system]> show tables;
```

+-----+	
Tables_in_shop_management_system	
+-----+	
customer	
order_detail	
product	
stock	
+-----+	

```
4 rows in set (0.001 sec)
```

I WANT TO SEE STRUCTURE OF THE TABLES;

SYNTAX : DESC CUSTOMER;

```
MariaDB [shop_management_system]> desc customer;
```

Field	Type	Null	Key	Default	Extra
C_id	int(11)	NO	PRI	NULL	
name	varchar(50)	YES		NULL	
address	varchar(75)	YES		NULL	
phone_number	int(11)	YES		NULL	
email	varchar(25)	YES		NULL	

```
5 rows in set (0.039 sec)
```

SYNTAX : DESC PRODUCT;

```
MariaDB [shop_management_system]> desc product;
```

Field	Type	Null	Key	Default	Extra
P_id	int(11)	NO	PRI	NULL	
P_name	varchar(50)	YES		NULL	
amount	int(11)	YES		NULL	

```
3 rows in set (0.033 sec)
```

SYNTAX : DESC ORDER_DETAIL;

```
MariaDB [shop_management_system]> desc order_detail;
```

Field	Type	Null	Key	Default	Extra
ord_id	int(11)	YES		NULL	
P_id	int(11)	YES	MUL	NULL	
quantity	int(11)	YES		NULL	

```
3 rows in set (0.042 sec)
```


SYNTAX : DESC STOCK;

```
MariaDB [shop_management_system]> desc stock;
```

Field	Type	Null	Key	Default	Extra
P_id	int(11)	YES	MUL	NULL	
quantity	int(11)	YES		NULL	

```
2 rows in set (0.036 sec)
```

I want to see detail of customer table

SYNTAX : SELECT*FROM CUSTOMER;

```
MariaDB [shop_management_system]> select*from customer;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	mumbra	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

```
5 rows in set (0.000 sec)
```

I want to see detail of product table
SYNTAX : SELECT*FROM PRODUCT;

```
MariaDB [shop_management_system]> select*from product;
```

P_id	P_name	amount
141531	HP	45000
141532	Acer	50000
141533	Lenovo	75000
141534	Nokia	35000
141535	Asus	56000

5 rows in set (0.001 sec)

I want to see detail of order_detail table
SYNTAX : SELECT*FROM ORDER_DETAIL;

```
MariaDB [shop_management_system]> select*from order_detail;
```

ord_id	P_id	quantity
111	141531	3
112	141532	5
113	141533	4
114	141534	6
115	141535	2
116	141532	4

6 rows in set (0.001 sec)

I want to see detail of stock table

SYNTAX : SELECT*FROM STOCK;

```
MariaDB [shop_management_system]> select*from stock;
```

P_id	quantity
141531	3
141532	5
141533	4
141534	6
141535	2
141532	4

6 rows in set (0.001 sec)

Suppose I want to update my data in table.
**SYNTAX : UPDATE CUSTOMER SET ADDRESS="TALOJA"
WHERE C_ID=3;**

```
MariaDB [shop_management_system]> select*from customer;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	mumbra	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

5 rows in set (0.000 sec)



```
MariaDB [shop_management_system]> select*from customer;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	taloja	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

5 rows in set (0.001 sec)

I want to change the name of the table.
**SYNTAX : ALTER TABLE CUSTOMER RENAME
CUSTOMER_DETAILS;**

```
MariaDB [shop_management_system]> select*from customer_details;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	taloja	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

5 rows in set (0.000 sec)

I want to add unique key in the column
**SYNTAX : ALTER TABLE CUSTOMER_DETAILS ADD UNIQUE KEY
(PHONE_NUMBER);**

```
MariaDB [shop_management_system]> desc customer_details;
```

Field	Type	Null	Key	Default	Extra
C_id	int(11)	NO	PRI	NULL	
name	varchar(50)	YES		NULL	
address	varchar(75)	YES		NULL	
phone_number	int(11)	YES		NULL	
email	varchar(25)	YES	UNI	NULL	

```
5 rows in set (0.029 sec)
```


I want some specific data from the table.

SYNTAX : SELECT*FROM CUSTOMER_DETAILS WHERE NAME LIKE 'A%';

```
MariaDB [shop_management_system]> select*from customer_details where name like 'a%';
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com

```
2 rows in set (0.001 sec)
```

I want to hide some column.

**SYNTAX : CREATE VIEW COUSTOMER_DETAILS AS SELECT
NAME,PHONE_NUMBER,ADDRESS FROM CUSTOMER_DETAILS;**

```
MariaDB [shop_management_system]> CREATE VIEW COUSTOMER_DETAILS AS SELECT NAME,PHONE_NUMBER,ADDRESS FROM CUSTOMER_DETAILS;  
Query OK, 0 rows affected (0.012 sec)
```

```
MariaDB [shop_management_system]> select*from customer_details;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	taloja	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

```
5 rows in set (0.001 sec)
```

I want fetch the data of the first 3 names.

SYNTAX : SELECT*FROM CUSTOMER_DETAILS LIMIT 3;

```
MariaDB [shop_management_system]> select*from customer_details limit 3;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	taloja	2147483647	sakib08@gmail.com

3 rows in set (0.001 sec)

I want to the data of customer_details and product table.
SYNTAX : `SELECT*FROM CUSTOMER_DETAILS LEFT JOIN
PRODUCT ON CUSTOMER_DETAILS. C_ID=PRODUCT.P__ID;`

```
MariaDB [shop_management_system]> select*from customer_details;
```

C_id	name	address	phone_number	email
1	asim	kalva	2147483647	asim09@gmail.com
2	uzair	kalva	2147483647	uzair09@gmail.com
3	sakib	taloja	2147483647	sakib08@gmail.com
4	adnan	mumbra	2147483647	adnan09@gmail.com
5	imran	kharghar	2147483647	imran78@gmail.com

5 rows in set (0.001 sec)



```
MariaDB [shop_management_system]> select*from product;
```

P_id	P_name	amount
141531	HP	45000
141532	Acer	50000
141533	Lenovo	75000
141534	Nokia	35000
141535	Asus	56000

5 rows in set (0.000 sec)

After using left join.

```
MariaDB [shop_management_system]> SELECT*FROM CUSTOMER_DETAILS LEFT JOIN PRODUCT ON CUSTOMER_DETAILS. C_ID=PRODUCT.P_ID;
```

C_id	name	address	phone_number	email	P_id	P_name	amount
1	asim	kalva	2147483647	asim09@gmail.com	NULL	NULL	NULL
2	uzair	kalva	2147483647	uzair09@gmail.com	NULL	NULL	NULL
3	sakib	taloja	2147483647	sakib08@gmail.com	NULL	NULL	NULL
4	adnan	mumbra	2147483647	adnan09@gmail.com	NULL	NULL	NULL
5	imran	kharghar	2147483647	imran78@gmail.com	NULL	NULL	NULL

```
5 rows in set (0.001 sec)
```

CONCLUSION

Through this project I have gained more experience in SQL database design query optimization and data manipulation this project not only improve my technical skills but also provide practical understanding.



Thank You