

RESTAURANT MANAGEMENT SYSTEM

FINAL PROJECT FOR SQL MODULE

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DISCRIPTION:

Online restaurant management system is the system to manage the restaurant business. The main point developing this system is so help restaurant administrator manage the restaurant business. Restaurant management system is a process of ordering food from a restaurant. A customer will search for favorite restaurant, usually filtered via type of cuisine and choose from available items.

Following database schema is designed to function as a backend storage database for an RESTAURANT MANAGEMENT SYSTEM.

By storing information in a relational database, all the tasks related to daily functioning of the RESTAURANT MANAGEMENT SYSTEM can be performed easily and much more efficiently. Some of the benefits of using this system to store data over traditional paper registers are as follows:

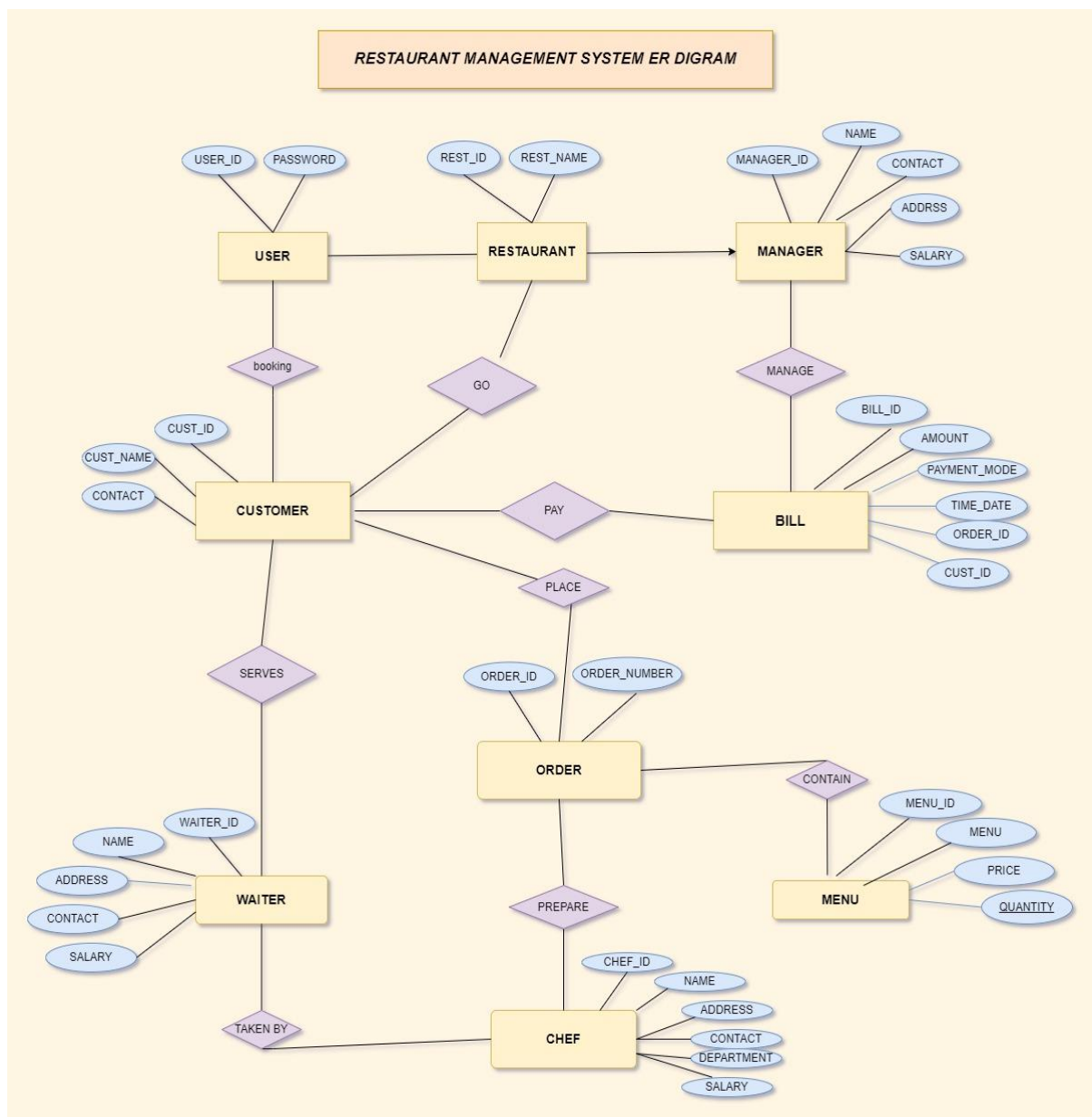
- a) Updating and modifying product list of the RESTAURANT is much easier and efficient.***
- b) Maintaining customer details, their accounts and their activities is easy and efficient.***
- c) Calculations like total bill amount can be done automatically by DBMS, thus eliminating human error.***
- d) RDBMS provides many ways to analyze available data, thus helping in making more informed decisions about inventory management and other aspects of online restaurant.***

This database contains 9 tables:

- 1. RESTAURANT***
- 2. MANAGER***
- 3. WAITER***
- 4. CHEF***
- 5. USER***
- 6. CUSTOMER***
- 7. ORDERS***
- 8. MENU***
- 9. BILL***

How these tables/entities are related to each other is shown pictorially on next page through ER diagram, i.e., Entity Relationship Diagram.

2. ER DIAGRAM:



3. TABLE AND DESCRIPTION:

a. Table user

```
MariaDB [test]> desc user;
```

Field	Type	Null	Key	Default	Extra
user_id	int(11)	NO	PRI	NULL	
user_password	varchar(20)	YES		NULL	

2 rows in set (0.081 sec)

b. Table restaurant

```
MariaDB [test]> desc restaurant;
```

Field	Type	Null	Key	Default	Extra
rest_id	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	

2 rows in set (0.056 sec)

c. Table manager

```
MariaDB [test]> desc manager;
```

Field	Type	Null	Key	Default	Extra
manager_id	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	
contact	varchar(20)	YES		NULL	
salary	double	YES		NULL	

5 rows in set (0.063 sec)

d. Table waiter

```
MariaDB [test]> desc waiter;
```

Field	Type	Null	Key	Default	Extra
waiter_id	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	
contact	varchar(20)	YES		NULL	
salary	double	YES		NULL	

```
5 rows in set (0.086 sec)
```

e. Table chef

```
MariaDB [test]> desc chef;
```

Field	Type	Null	Key	Default	Extra
chef_id	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
address	varchar(50)	YES		NULL	
contact	varchar(20)	YES		NULL	
department	varchar(50)	YES		NULL	
salary	double	YES		NULL	

```
6 rows in set (0.038 sec)
```

f. Table menu

```
MariaDB [test]> desc menu;
```

Field	Type	Null	Key	Default	Extra
menu_id	int(11)	NO	PRI	NULL	
menu	varchar(50)	YES		NULL	
price	varchar(100)	YES		NULL	
quantity	varchar(20)	YES		NULL	

```
4 rows in set (0.064 sec)
```

g. Table orders

```
MariaDB [test]> desc orders;
```

Field	Type	Null	Key	Default	Extra
order_id	int(11)	NO	PRI	NULL	
order_number	varchar(20)	YES		NULL	
customer_id	int(11)	YES	MUL	NULL	
menu_id	int(11)	YES	MUL	NULL	

4 rows in set (0.077 sec)

h. Table customer

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

Field	Type	Null	Key	Default	Extra
customer_id	int(11)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
contact	varchar(20)	YES		NULL	

3 rows in set (0.030 sec)

i. Table bill

```
MariaDB [test]> desc bill;
```

Field	Type	Null	Key	Default	Extra
bill_id	int(11)	NO	PRI	NULL	
amount	varchar(50)	YES		NULL	
payment_mode	varchar(50)	YES		NULL	
date_time	datetime	YES		NULL	
customer_id	int(11)	YES	MUL	NULL	
order_id	int(11)	YES	MUL	NULL	
menu_id	int(11)	YES	MUL	NULL	

7 rows in set (0.063 sec)

4. COMMANDS:

a) create database:

create database RESTAURANT MANAGEMENT SYSTEM;

b) use database RESTAURANT MANAGEMENT SYSTEM;

c) create table named user

create table user(user_id int primary key,user_password varchar(20));

d)create table named restaurant

create table restaurant(rest_id int primary key, name varchar(20));

e) Create table named manager

create table manager(manager_id int primary key, name varchar(20), address varchar(50), contact varchar(20), salary double);

f) Create table named customer

create table customer(customer_id int primary key, name varchar(20),contact varchar(20));

g) Create table named menu

create table menu(menu_id int primary key, menu varchar(50), price varchar(100), quantity varchar(20));

h) Create table named waiter

create table waiter(waiter_id int primary key, name varchar(20), address varchar(50), contact varchar(20), salary double);

i) Create table named chef

create table chef(chef_id int primary key, name varchar(20), address varchar(50), contact varchar(20), department varchar(50), salary double);

j) Create table named orders

create table orders(order_id int primary key,order_number varchar(20),customer_id int, menu_id int, constraint fk_customer foreign key (customer_id) references customer(customer_id),constraint fk_menu foreign key (menu_id) references menu(menu_id));

k) Create table named bill

create table bill(bill_id int primary key, amount varchar(50), payment_mode varchar(50), date_time datetime, customer_id int, order_id int, menu_id int, constraint fk_cust foreign key (customer_id) references customer(customer_id), constraint fk_ord foreign key (order_id) references orders(order_id), constraint fk_adpt foreign key (menu_id) references menu(menu_id));

I. POPULATE RESTAURANT TABLE

insert into restaurant values(0123456,'three_star_restaurant');

II. POPULATE MANAGER TABLE

insert into manager values

(001,'nityanand_ghokle','ghatkopar','7596314822',70000),

(002,'shivani_raje','airoli','5614782388',65000);

III) POPULATE WAITER TABLE

insert into waiter values

(101,'ramesh_sawant','worli','215956842',25000),

(102,'kiran_kamat','kalyan','659746585',25000),

(103,'rudransh_more','panvel','144566725',20000),

(104,'ajay_mhade','kalyan','1235456841',15000);

VI) POPULATE CHEF TABLE

insert into chef values(111,'riyaz_ali','sion','985654522','chinese_food',45000),

(112,'samir_dive','bhandup','2556147852','panjabi_food',50000),

(113,'nishant_rane','ghatkopar','245268822','pantry',40000),

(114,'dinesh_shetty','bhandup','524526455','maharashtra_food',45000),

(115,'satish_mane','thane','115723255','italian_food',50000);

V) POPULATE MENU TABLE

insert into menu values(01,'fried_rice','200','full'),

(02,'chow_mein','250','full'),

(03,'tripple_shezwan_rice','280','full'),

(04,'haka_noodles','150','full'),

(05,'paneer_fries','190','full'),

(06,'shezwan_noodle','200','full'),

(07,'shezwan_rice','200','full'),
(08,'monchow_soup','150','full'),
(09,'veg_crispy','180','full'),
(10,'chicken_crispy','250','full'),
(11,'paneer_crispy','190','full'),
(12,'chicken_chilly','200','full'),
(13,'soya_chap_masala','150','full'),
(14,'paneer_butter_masala','200','full'),
(15,'malai_kofta','300','full'),
(16,'kadhai_paneer','200','full'),
(17,'matka_paneer','200','full'),
(18,'palak_paneer','250','full'),
(19,'gobhi_korma','190','full'),
(20,'mashroom_palak','300','full'),
(21,'dal_makhni','150','full'),
(22,'dal_tadka','150','full'),
(23,'jeera_rice','100','full'),
(24,'butter_roti','20','1-roti'),
(25,'pane_roti','10','1-roti'),
(26,'rajma','180','full'),
(27,'aloogobhi_fry','150','full'),
(28,'puran_poli_thali','200','full'),
(29,'kothimbir_wadi','100','full'),
(30,'kaju_masala','250','full'),
(31,'veg_kolhapuri','250','full'),
(32,'veg_pulav','150','full'),
(33,'veg_biryani','200','full'),
(34,'dalkhichadi_rice','150','full'),
(35,'italian_pizza','200','full'),
(36,'white_sause_pasta','250','full'),
(37,'toamto_sause_pasta','200','full')

,(38,'chees_pasta','250','full')
,(39,'sweet_corn_pizza','250','full')
,(40,'cheese_tacos','190','full'),
(41,'bake_ravioli','200','full'),
(42,'italian_salad','250','full');

VI) POPULATE TABLE CUSTOMER

insert into customer values(1002,'nita_desai','2563574558'),
(1003,'rashmi_mane','254947588'),
(1004,'samrudhi_sane','118525875'),
(1005,'jotesh_karki','216856785'),
(1006,'sima_ratna','452684566'),
(1007,'sandip_rane','2889565474'),
(1008,'sudip_sagre','254426684'),
(1009,'shivani_bhosle','21446882555'),
(1010,'nita_kule','2546333658'),
(1011,'saumya_nandi','658569995'),
(1012,'satish_nene','885696254'),
(1013,'riya_patil','6612852658'),
(1014,'payal_kale','542285856'),
(1015,'simarn_upadhyay','531892366'),
(1016,'nitesh_dhite','665248855'),
(1017,'samir_shirke','658522558'),
(1018,'jai_prakash','556622588'),
(1019,'dhwani_sakpal','556258845'),
(1020,'smita','58624586),
(1021,'diksha_sane','586254865'),
(1022,'akshta_satham','1122255625'),
(1023,'varsha_kate','2265856554'),
(1024,'neha_kale','625556955'),
(1025,'rinki_thale','142656332'),

(1026,'aniket_surte','526584256'),
(1027,'shrikant','6362558241'),
(1028,'niharika_thale','69555225745'),
(1029,'shitija_r','2352685366'),
(1030,'kritika_male','6255852255'),
(1031,'shivaji_rahate','23256322552'),
(1032,'nisha_sakpal','6258725655'),
(1033,'sayali_upadhyay','2556258855'),
(1034,'rohini_p','552258845'),
(1035,'malini_n','45214851'),
(1036,'rukul','2635168844'),
(1037,'nupur','5525858555'),
(1038,'mita_sathe','258535555'),
(1039,'nihal_shile','55636852325'),
(1040,'mandar_jadhav','258855655'),
(1041,'mina_pal','2589654255'),
(1042,'samiksha_jain','6555258525'),
(1043,'amar_sharma','8741537524'),
(1044,'rishav_kumar','5668421221'),
(1045,'vinil_narang','855556552'),
(1046,'abhinav_mittal','5565236655'),
(1047,'dinesh_singal','552144212'),
(1048,'priya_rai','5266332124'),
(1049,'rajat_bhaskar','652256365'),
(1050,'saksham_singh','532255512');

```
MariaDB [test]> select * from restaurant;
```

rest_id	name
123456	three_star_restauran

```
1 row in set (0.043 sec)
```

```
MariaDB [test]> select * from manager;
```

manager_id	name	address	contact	salary
1	nityanand_ghokle	ghatkopar	7596314822	70000
2	shivani_raje	airoli	5614782388	65000

```
2 rows in set (0.038 sec)
```

```
MariaDB [test]> select * from waiter;
```

waiter_id	name	address	contact	salary
101	ramesh_sawant	worli	215956842	25000
102	kiran_kamat	kalyan	659746585	25000
103	rudransh_more	panvel	144566725	20000
104	ajay_mhade	kalyan	1235456841	15000

```
4 rows in set (0.030 sec)
```

```
MariaDB [test]> select * from chef;
```

chef_id	name	address	contact	department	salary
111	riyaz_ali	sion	985654522	chinese_food	45000
112	samir_dive	bhandup	2556147852	panjabi_food	50000
113	nishant_rane	ghatkopar	245268822	pantry	40000
114	dinesh_shetty	bhandup	524526455	maharashtra_food	45000
115	satish_mane	thane	115723255	italian_food	50000

```
5 rows in set (0.044 sec)
```

```

MariaDB [test]> select * from user;
+-----+-----+
| user_id | user_password |
+-----+-----+
| 25455285 | diksha3265    |
| 985695252 | priti1234     |
+-----+-----+
2 rows in set (0.001 sec)

```

```

MariaDB [test]> select * from customer;
+-----+-----+-----+
| customer_id | name          | contact |
+-----+-----+-----+
| 1000         | nishant       | 252355422 |
| 1001         | dinesh_soni  | 561445633 |
| 1002         | nita_desai   | 2563574558 |
| 1003         | rashmi_mane  | 254947588 |
| 1004         | samrudhi_sane | 118525875 |
| 1005         | jotesh_karki | 216856785 |
| 1006         | sima_ratna   | 452684566 |
| 1007         | sandip_rane  | 2889565474 |
| 1008         | sudip_sagre  | 254426684 |
| 1009         | shivani_bhosle | 21446882555 |
| 1010         | nita_kule    | 2546333658 |
| 1011         | saumya_nandi | 658569995 |
| 1012         | satish_nene  | 885696254 |
| 1013         | riya_patil   | 6612852658 |
| 1014         | payal_kale   | 542285856 |
| 1015         | simarn_upadhyay | 531892366 |
| 1016         | nitesh_dhite | 665248855 |
| 1017         | samir_shirke | 658522558 |
| 1018         | jai_prakash  | 556622588 |
| 1019         | dhvani_sakpal | 556258845 |
| 1020         | smita        | 58624586 |
| 1021         | diksha_sane  | 586254865 |
| 1022         | akshta_satham | 1122255625 |
| 1023         | varsha_kate  | 2265856554 |
| 1024         | neha_kale    | 625556955 |
| 1025         | rinku_thale  | 142656332 |
| 1026         | aniket_surte | 526584256 |
| 1027         | shrikanth    | 6362558241 |
| 1028         | niharika_thale | 69555225745 |
| 1029         | shritija_r    | 2352685366 |
| 1030         | kritika_male | 6255852255 |
| 1031         | shivaji_rahate | 23256322552 |
| 1032         | nisha_sakpal | 6258725655 |
| 1033         | sayali_upadhyay | 2556258855 |
| 1034         | rohini_p     | 552258845 |
| 1035         | malini_n     | 45214851 |
| 1036         | rukul        | 2635168844 |
| 1037         | nupur        | 5525858555 |
| 1038         | mita_sathe   | 258535555 |
| 1039         | nihaal_shile | 55636852325 |
| 1040         | mandar_jadhav | 258855655 |
| 1041         | mina_pal     | 2589654255 |
| 1042         | samiksha_jain | 6555258525 |
| 1043         | amar_sharma  | 8741537524 |
| 1044         | rishav_kumar | 5668421221 |
| 1045         | vinil_narang | 855556552 |
| 1046         | abhinav_mittal | 5565236655 |
| 1047         | dinesh_singal | 552144212 |
| 1048         | priya_rai    | 5266332124 |
| 1049         | rajat_bhaskar | 652256365 |
| 1050         | saksham_singh | 532255512 |

```

MariaDB [test]> select * from menu;

menu_id	menu	price	quantity
1	fried_rice	200	full
2	chow_mein	250	full
3	tripple_shezwan_rice	280	full
4	haka_noodles	150	full
5	paneer_fries	190	full
6	shezwan_noodle	200	full
7	shezwan_rice	200	full
8	monchow_soup	150	full
9	veg_crispy	180	full
10	chicken_crispy	250	full
11	paneer_crispy	190	full
12	chicken_chilly	200	full
13	soya_chap_masala	150	full
14	paneer_butter_masala	200	full
15	malai_kofta	300	full
16	kadhai_paneer	200	full
17	matka_paneer	200	full
18	palak_paneer	250	full
19	gobhi_korma	190	full
20	mashroom_palak	300	full
21	dal_makhni	150	full
22	dal_tadka	150	full
23	jeera_rice	100	full
24	butter_roti	20	1-roti
25	plane_roti	10	1-roti
26	rajma	180	full
27	aloo-gobhi_fry	150	full
28	puran_poli_thali	200	full
29	kothimbir_wadi	100	full
30	kaju_masala	250	full
31	veg_kolhapuri	250	full
32	veg_pulav	150	full
33	veg_biryani	200	full
34	dal-khichadi_rice	150	full
35	italian_pizza	200	full
36	white_sause_pasta	250	full
37	toamto_sause_pasta	200	full
38	chees_pasta	250	full
39	sweet_corn_pizza	250	full
40	cheese_tacos	190	full
41	bake_ravioli	200	full
42	italian_salad	250	full

42 rows in set (0.015 sec)

MariaDB [test]> select * from bill;

bill_id	amount	payment_mode	date_time	customer_id	order_id	menu_id
0	200	cash	0000-00-00 00:00:00	1000	1	1
1	180	online	2024-03-01 09:00:00	1001	2	9
2	280	online	2024-03-01 09:00:00	1002	3	3
3	300	cash	2024-02-25 10:15:00	1003	4	20
4	20	cash	2024-02-25 10:15:00	1003	5	24
5	180	cash	2024-02-18 07:16:00	1004	6	9
6	180	online	2024-02-25 10:15:00	1005	7	9
7	280	cash	2024-02-25 10:15:00	1006	8	3
8	180	cash	2024-02-18 07:16:00	1007	9	6
9	150	online	2024-02-15 04:00:00	1008	10	22
10	20	online	2024-02-15 04:00:00	1008	11	23
11	200	online	2024-02-15 05:00:00	1009	12	28
12	250	cash	2024-01-15 06:00:00	1010	13	38
13	250	cash	2024-01-15 06:00:00	1011	14	38
14	200	cash	2024-01-15 06:00:00	1012	15	41
15	200	online	2024-01-15 06:00:00	1013	16	28
16	200	online	2024-01-15 06:00:00	1014	17	6
17	150	online	2024-01-15 06:00:00	1015	18	4
18	200	cash	2024-01-15 06:00:00	1016	19	1
19	200	cash	2024-01-15 06:00:00	1017	20	28
20	250	online	2024-01-16 07:00:00	1018	21	38
21	250	online	2024-01-16 08:00:00	1019	22	38
22	200	online	2024-01-17 08:15:00	1020	23	41
23	200	online	2024-01-18 08:15:00	1021	24	28
24	200	online	2024-01-18 08:15:00	1022	25	6
25	150	cash	2024-02-20 05:00:00	1023	26	4
26	200	cash	2024-02-18 02:00:00	1024	27	1
27	200	online	2024-02-15 02:00:00	1025	28	28
28	250	online	2024-01-18 08:15:00	1026	29	38
29	250	cash	2024-02-20 05:00:00	1027	30	38
30	200	cash	2024-02-18 02:00:00	1028	31	41
31	200	online	2024-02-15 02:00:00	1029	32	28
32	200	online	2024-02-21 06:00:00	1030	33	6
33	150	online	2024-01-18 08:15:00	1031	34	4
34	200	cash	2024-02-20 05:00:00	1032	35	1
35	200	cash	2024-02-18 02:00:00	1033	36	28
36	250	online	2024-02-15 02:00:00	1034	37	38
37	250	online	2024-02-21 06:00:00	1035	38	38
38	200	online	2024-01-18 08:15:00	1036	39	41
39	200	cash	2024-02-20 05:00:00	1037	40	28
40	200	cash	2024-02-18 02:00:00	1038	41	6
41	150	online	2024-02-15 02:00:00	1039	42	4
42	200	online	2024-02-21 06:00:00	1040	43	1
43	200	online	2024-01-18 08:15:00	1041	44	28
44	250	cash	2024-02-20 05:00:00	1042	45	38
45	250	cash	2024-02-18 02:00:00	1043	46	38
46	200	online	2024-02-15 02:00:00	1044	47	28
47	200	online	2024-02-21 06:00:00	1045	48	6
48	200	online	2024-01-18 08:15:00	1046	49	6
49	150	cash	2024-02-20 05:00:00	1047	50	4
50	200	cash	2024-02-18 02:00:00	1048	51	1
51	200	online	2024-02-15 02:00:00	1049	52	28
52	250	online	2024-02-21 06:00:00	1050	53	38

53 rows in set (0.001 sec)

MariaDB [test]> select * from chef;

chef_id	name	address	contact	department	salary
111	riyaz_ali	sion	985654522	chinese_food	45000
112	samir_dive	bhandup	2556147852	panjabi_food	50000
113	nishant_rane	ghatkopar	245268822	pantry	40000
114	dinesh_shetty	bhandup	524526455	maharashtra_food	45000
115	satish_mane	thane	115723255	italian_food	50000

5 rows in set (0.001 sec)

MariaDB [test]> select department, max(salary) from chef where salary in(select max(salary) from chef order by department,salary);

department	max(salary)
panjabi_food	50000

1 row in set (0.001 sec)

JOINS:

1. get the customer details whose payment made in cash?

select c.name, b.amount from customer c inner join bill b on c.customer_id=b.customer_id where b.payment_mode='cash';

```
MariaDB [test]> select c.name, b.amount from customer c inner join bill b on c.customer_id=b.customer_id where b.payment_mode='cash';
name -> $ customer who order fried rice
+-----+-----+
| name | amount |
+-----+-----+
| nishant | 200 |
| rashmi_mane | 300 |
| rashmi_mane | 20 |
| samrudhi_sane | 180 |
| sima_ratna | 280 |
| sandip_rane | 180 |
| nita_kule | 250 |
| saumya_nandi | 250 |
| satish_nene | 200 |
| nitesh_dhite | 200 |
| samir_shirke | 200 |
| varsha_kate | 150 |
| neha_kale | 200 |
| shrikant | 250 |
| niharika_thale | 200 |
| nisha_sakpal | 200 |
| sayali_upadhyay | 200 |
| nupur | 200 |
| mita_sathe | 200 |
| samiksha_jain | 250 |
| amar_sharma | 250 |
| dinesh_singal | 150 |
| priya_rai | 200 |
+-----+-----+
23 rows in set (0.002 sec)
```

2. name the customer who order fried rice?

select c.name, b.menu_id, m.menu from customer c inner join bill b inner join menu m on c.customer_id=b.customer_id and b.menu_id=m.menu_id where m.menu="fried_rice";

```
+-----+-----+-----+
| name | menu_id | menu |
+-----+-----+-----+
| nishant | 1 | fried_rice |
| nitesh_dhite | 1 | fried_rice |
| neha_kale | 1 | fried_rice |
| nisha_sakpal | 1 | fried_rice |
| mandar_jadhav | 1 | fried_rice |
| priya_rai | 1 | fried_rice |
+-----+-----+-----+
6 rows in set (0.003 sec)
```

3. get customer details along with their orders?

select c.name, b.menu_id, m.menu from customer c inner join bill b inner join menu m on c.customer_id=b.customer_id and b.menu_id=m.menu_id;

name	menu_id	menu
nishant	1	fried_rice
dinesh_soni	9	veg_crispy
nita_desai	3	tripple_shezwan_rice
rashmi_mane	28	mashroom_palak
rashmi_mane	24	butter_roti
samrudhi_sane	9	veg_crispy
jotesh_karki	9	veg_crispy
sima_ratna	3	tripple_shezwan_rice
sandip_rane	6	shezwan_noodle
sudip_sagre	22	dal_tadka
sudip_sagre	23	jeera_rice
shivani_bhosle	28	puran_poli_thali
nita_kule	38	chees_pasta
saumya_nandi	38	chees_pasta
satish_nene	41	bake_ravioli
riya_patil	28	puran_poli_thali
payal_kale	6	shezwan_noodle
simarn_upadhyay	4	haka_noodles
nitesh_dhite	1	fried_rice
samir_shirke	28	puran_poli_thali
jai_prakash	38	chees_pasta
dhwani_sakpal	38	chees_pasta
smiata	41	bake_ravioli
diksha_sane	28	puran_poli_thali
akshta_satham	6	shezwan_noodle
varsha_kate	4	haka_noodles
neha_kale	1	fried_rice
rinki_thale	28	puran_poli_thali
aniket_surte	38	chees_pasta
shrikant	38	chees_pasta
niharika_thale	41	bake_ravioli
shitija_r	28	puran_poli_thali
kritika_male	6	shezwan_noodle
shivaji_rahate	4	haka_noodles
nisha_sakpal	1	fried_rice
sayali_upadhyay	28	puran_poli_thali
rohini_p	38	chees_pasta
malini_n	38	chees_pasta
rukul	41	bake_ravioli
nupur	28	puran_poli_thali
mita_sathe	6	shezwan_noodle
nihal_shile	4	haka_noodles
mandar_jadhav	1	fried_rice
mina_pal	28	puran_poli_thali
samiksha_jain	38	chees_pasta
amar_sharma	38	chees_pasta
rishav_kumar	28	puran_poli_thali
vinil_narang	6	shezwan_noodle
abhinav_mittal	6	shezwan_noodle
dinesh_singal	4	haka_noodles
priya_rai	1	fried_rice
rajat_bhaskar	28	puran_poli_thali
saksham_singh	38	chees_pasta

53 rows in set (0.002 sec)

4. get customer details along with is bill amount?

select c.name, b.menu_id, m.menu, m.price from customer c inner join bill b inner join menu m on c.customer_id=b.customer_id and b.menu_id=m.menu_id;

name	menu_id	menu	price
nishant	1	fried_rice	200
dinesh_soni	9	veg_crispy	180
nita_desai	3	tripple_shezwan_rice	280
rashmi_mane	20	mashroom_palak	300
rashmi_mane	24	butter_roti	20
samrudhi_sane	9	veg_crispy	180
jotesh_karki	9	veg_crispy	180
sima_ratna	3	tripple_shezwan_rice	280
sandip_rane	6	shezwan_noodle	200
sudip_sagre	22	dal_tadka	150
sudip_sagre	23	jeera_rice	100
shivani_bhosle	28	puran_poli_thali	200
nita_kule	38	chees_pasta	250
saumya_nandi	38	chees_pasta	250
satish_nene	41	bake_ravioli	200
riya_patil	28	puran_poli_thali	200
payal_kale	6	shezwan_noodle	200
simarn_upadhyay	4	haka_noodles	150
nitesh_dhite	1	fried_rice	200
samir_shirke	28	puran_poli_thali	200
jai_prakash	38	chees_pasta	250
dhwani_sakpal	38	chees_pasta	250
smita	41	bake_ravioli	200
diksha_sane	28	puran_poli_thali	200
akshta_satham	6	shezwan_noodle	200
varsha_kate	4	haka_noodles	150
neha_kale	1	fried_rice	200
rinki_thale	28	puran_poli_thali	200
aniket_surte	38	chees_pasta	250
shrikant	38	chees_pasta	250
niharika_thale	41	bake_ravioli	200
shitija_r	28	puran_poli_thali	200
kritika_male	6	shezwan_noodle	200
shivaji_rahate	4	haka_noodles	150
nisha_sakpal	1	fried_rice	200
sayali_upadhyay	28	puran_poli_thali	200
rohini_p	38	chees_pasta	250
malini_n	38	chees_pasta	250
rukul	41	bake_ravioli	200
nupur	28	puran_poli_thali	200
mita_sathe	6	shezwan_noodle	200
nihal_shile	4	haka_noodles	150
mandar_jadhav	1	fried_rice	200
mina_pal	28	puran_poli_thali	200
samiksha_jain	38	chees_pasta	250
amar_sharma	38	chees_pasta	250
rishav_kumar	28	puran_poli_thali	200
vinil_narang	6	shezwan_noodle	200
abhinav_mittal	6	shezwan_noodle	200
dinesh_singal	4	haka_noodles	150
priya_rai	1	fried_rice	200
rajat_bhaskar	28	puran_poli_thali	200
saksham_singh	38	chees_pasta	250

5. get customer details along menu items whose bill ammount grater than 100 and paid online?

```
select c.name, c.contact, b.menu_id, b.amount, m.menu from customer c inner join bill b inner
join menu m on c.customer_id=b.customer_id and b.menu_id=m.menu_id;
```

name	contact	menu_id	amount	menu
nishant	252355422	1	200	fried_rice
dinesh_soni	561445633	9	180	veg_crispy
nita_desai	2563574558	3	280	tripple_shezwan_rice
rashmi_mane	254947588	20	300	mashroom_palak
rashmi_mane	254947588	24	20	butter_roti
samrudhi_sane	118525875	9	180	veg_crispy
jotesh_karki	216856785	9	180	veg_crispy
sima_ratna	452684566	3	280	tripple_shezwan_rice
sandip_rane	2889565474	6	180	shezwan_noodle
sudip_sagre	254426684	22	150	dal_tadka
sudip_sagre	254426684	23	20	jeera_rice
shivani_bhosle	21446882555	28	200	puran_poli_thali
nita_kule	2546333658	38	250	chees_pasta
saumya_nandi	658569995	38	250	chees_pasta
satish_nene	885696254	41	200	bake_ravioli
riya_patil	6612852658	28	200	puran_poli_thali
payal_kale	542285856	6	200	shezwan_noodle
simarn_upadhyay	531892366	4	150	haka_noodles
nitesh_dhite	665248855	1	200	fried_rice
samir_shirke	658522558	28	200	puran_poli_thali
jai_prakash	556622588	38	250	chees_pasta
dhwani_sakpal	556258845	38	250	chees_pasta
smita	58624586	41	200	bake_ravioli
diksha_sane	586254865	28	200	puran_poli_thali
akshata_satham	1122255625	6	200	shezwan_noodle
varsha_kate	2265856554	4	150	haka_noodles
neha_kale	625556955	1	200	fried_rice
rinki_thale	142656332	28	200	puran_poli_thali
aniket_surte	526584256	38	250	chees_pasta
shrikant	6362558241	38	250	chees_pasta
niharika_thale	69555225745	41	200	bake_ravioli
shitiya_r	2352685366	28	200	puran_poli_thali
kritika_male	6255852255	6	200	shezwan_noodle
shivaji_rahate	23256322552	4	150	haka_noodles
nisha_sakpal	6258725655	1	200	fried_rice
sayali_upadhyay	2556258855	28	200	puran_poli_thali
rohini_p	552258845	38	250	chees_pasta
malini_n	45214851	38	250	chees_pasta
rukul	2635168844	41	200	bake_ravioli
nupur	5525858555	28	200	puran_poli_thali
mita_sathe	258535555	6	200	shezwan_noodle
nihaal_shile	55636852325	4	150	haka_noodles
mandar_jadhav	258855655	1	200	fried_rice
mina_pal	2589654255	28	200	puran_poli_thali
samiksha_jain	6555258525	38	250	chees_pasta
amar_sharma	8741537524	38	250	chees_pasta
rishav_kumar	5668421221	28	200	puran_poli_thali
vinil_narang	855556552	6	200	shezwan_noodle
abhinav_mittal	5565236655	6	200	shezwan_noodle
dinesh_singal	552144212	4	150	haka_noodles
priya_rai	5266332124	1	200	fried_rice
rajat_bhaskar	652256365	28	200	puran_poli_thali
saksham_singh	532255512	38	250	chees_pasta

53 rows in set (0.002 sec)

SUBQUERY

1. get the second highest salary of waiter table?

select max(salary) from waiter where salary < (select max(salary) from waiter);

```
MariaDB [test]> select max(salary) from waiter where salary < (select max(salary) from waiter);
+-----+
| max(salary) |
+-----+
|          20000 |
+-----+
1 row in set (0.003 sec)
```

2. get top 3 payment of bill table

select customer_id, amount from (select customer_id, amount, row_number() over (order by amount) as r_n from bill) t where t.r_n <= 3;

```
MariaDB [test]> select customer_id, amount from (select customer_id, amount, row_number() over (order by amount) as r_n from bill) t where t.r_n <= 3;
+-----+-----+
| customer_id | amount |
+-----+-----+
|          1023 |      150 |
|          1031 |      150 |
|          1008 |      150 |
+-----+-----+
3 rows in set (0.002 sec)
```

3. find the details who customers order the food date in 15/02/2024?

select concat(name) as customer_details, customer_id from customer where customer_id in (select customer_id from bill where date(date_time) = '2024-02-15');

```
+-----+-----+
| customer_details | customer_id |
+-----+-----+
| sudip_sagre      |          1008 |
| shivani_bhosle   |          1009 |
| rinki_thale      |          1025 |
| shitija_r        |          1029 |
| rohini_p         |          1034 |
| nihaal_shile     |          1039 |
| rishav_kumar     |          1044 |
| rajat_bhaskar    |          1049 |
+-----+-----+
8 rows in set (0.001 sec)
```

4. Get the menu items of customer_id 1009

Select menu, menu_id from menu where menu_id in (select menu_id from bill where customer_id = 1009);

```

+-----+-----+
| menu          | menu_id |
+-----+-----+
| puran_poli_thali |      28 |
+-----+-----+
1 row in set (0.003 sec)

```

5. Get customer name who order more than 1 items

Select name from customer where customer_id in(select customer_id from bill group by customer_id having count(customer_id)>1);

```

+-----+
| name  |
+-----+
| rashmi_mane |
| sudip_sagre |
+-----+

```