## SQL/PLSQL code

CREATE TABLE Admin(
Admin\_id number(8) primary key,
Admin\_name varchar(15) NOT NULL,
Admin\_password varchar(16) NOT NULL
);

INSERT INTO Admin VALUES (001, 'Team-MEM', 'MEM@123');

## **CREATE TABLE customer**(

customer\_id number(8) primary key, customer\_firstname varchar(30) NOT NULL, customer\_lastname varchar(30) NOT NULL, customer\_password varchar(16) NOT NULL, customer\_phoneno varchar(10) NOT NULL, customer\_address varchar(50) NOT NULL, customer\_email varchar(20) NOT NULL, Admin\_id int references Admin(Admin\_id) );

INSERT INTO customer VALUES (101, 'Harsh', 'Mehta', 'harsh@123',7435068222, '1st Cross, Rammurthy nagar, Bangalore', 'harsh19@gmail.com',001);

INSERT INTO customer VALUES (102, 'Jainam', 'Shah', 'Jainu@123',9924567892, '117, Examiner Road, Fort, Mumbai, Maharashtra', '1ainam33@gmail.com1',001);

INSERT INTO customer VALUES (103, 'Aman', 'Pandya', 'Aman@123', 7834578923, 'L 69 Sector 11, Delhi, Uttar Pradesh-201301', 'aman@gmail.com', 001);

INSERT INTO customer VALUES (104, 'Heer', 'Madia', 'Her@ 123', 8902345789, 'Bee H-138, Kodambakkam Road, Chennai, Tamil Nadu', 'heer1723@gmail.com', 001);

INSERT INTO customer VALUES (105, 'Akanksha', 'Yadav', 'Akayad@123',9934654001, '295 AjRoad:10, West Hydrebad, Andhra Pradesh', 'akuu@gmail.com',001);

INSERT INTO customer VALUES (106, 'Karan', 'Punjabi', 'karpun@ 123',9934688001, 'Nirmal House Opp Jain Mandir ,Jalandhar, Punjab', 'karan12@gmail.com',001);

INSERT INTO customer VALUES (107, 'Divya', 'Mulchandanr', 'divmul@123', 9874688001, 'A/3, Tejpal Indl Estate, Andheri (west), Maharashtra', 'div3421@gmail.com', 001);

 $INSERT\ INTO\ customer\ VALUES\ (108, 'Celia', 'Anthony', 'Celia@123', 7834654881, '134, 14, Nagarathpet\ Main\ Road, Banglore, Karnataka', 'Celia44@gmail.com', 001);$ 

INSERT INTO customer VALUES (109,'Johnson','Thomas','Jthomas@123',9931888912,' A/108 Paldi,Ahmeadabad,Gujrat','Ithomas550@gmail.com',001);

INSERT INTO customer VALUES (110, 'Dhara', 'Mohan', 'BhatrDhara@1231',9875678001,'66 Sector 24 Mujessar, Ram Colony, Delhi, Haryana', 'dbhatt45@gmail.com', 001);

```
CREATE TABLE restaurant(
Admin id number(8) references Admin(Admin id),
restaurant_id number(8) primary key,
restaurant name varchar(20) NOT NULL,
restaurant address varchar(50) NOT NULL,
restaurant_password varchar(16) NOT NULL,
restaurant_phoneno varchar(10) NOT NULL
);
INSERT INTO restaurant VALUES(001,111,'Hot chilly','66,Residency Rd. Bengaluru, Karnataka','hc@111',8066604545);
INSERT INTO restaurant VALUES(001,112, 'Hatch', 'F-30, Sampige Rd, Bengaluru, Karnataka', 'Hat@112',8762203148);
INSERT INTO restaurant VALUES(001,113,'Spice Terrace','24,Ashok nagar, ludhiana,Punjab','Spi@113',8067189999);
INSERT INTO restaurant VALUES(001,114, 'Yay Mumbar', 'Raheja Tower, Bandra East, Mumbai, Maharashtra', 'Yay @114',9222222800);
INSERT INTO restaurant VALUES(001,115, 'UmniraoX','7-215 Andheri east, Maharashtra', 'Umn@ 123',9773817937);
INSERT INTO restaurant VALUES(001,116,'Sowento','Level-8, Connaught Place, New Delhi, Delhi','Sow@116',1141191040);
INSERT INTO restaurant VALUES(001,117, 'Taj Hotel', '154 Khan Market, India Gate, New Delhi. Delhi', 'tajr@117',1166566162);
INSERT INTO restaurant VALUES(001,118,'Anna Restaurant','Spur Tank road. Chennai, Tamil Nadu','Anna@118',4428368333);
INSERT INTO restaurant VALUES(001,119, 'Rajwadii', 'Behind uth-Temple, Ahmedabad, Gujarat', 'Raj@119',7926643839);
INSERT INTO restaurant VALUES(001,120, 'Kobe sizzler', 'Vasna Rd. Wake. Society. Nagar Himachal pradesh', 'Kobe @120', 8889323457);
CREATE TABLE category(
category_id number(8) primary key,
category_name varchar(15) NOT NULL,
restaurant_id number(8) references restaurant(restaurant_id)
);
INSERT INTO category VALUES (201, 'SOUTH-INDIAN', '112');
INSERT INTO category VALUES (202, 'NORTH-INDIAN', '111');
INSERT INTO category VALUES (203, 'ITALIAN', '115');
INSERT INTO category VALUES (204,'CHINESE','113');
INSERT INTO category VALUES (205, 'KATHIAWADI', '114');
INSERT INTO category VALUES (206, 'SNACKS', '118');
INSERT INTO category VALUES (207, 'BEVRAGES', '119');
INSERT INTO category VALUES (208, 'DESSERTS', '120');
INSERT INTO category VALUES (209,'ALL','116');
INSERT INTO category VALUES (210, 'CONTINENTAL', '117');
CREATE TABLE Menu_items(
item_code number(8) primary key,
item name varchar(20) NOT NULL,
Price number(8) NOT NULL,
category_id number(8) references category(category_id)
);
INSERT INTO Menu_items VALUES(301,'White Pasta',230,203);
INSERT INTO Menu_items VALUES(302,'Arabita Pasta',200,203);
INSERT INTO Menu_items VALUES(303,'Magherita pizza',400,203);
INSERT INTO Menu_items VALUES(304, 'gotala dosa', 300, 201);
INSERT INTO Menu_items VALUES(305,'uttampam',115,201);
INSERT INTO Menu_items VALUES(306,'idli-sambhar',120,201);
INSERT INTO Menu_items VALUES(307, 'aloo-cheese paratha', 120, 202);
```

```
INSERT INTO Menu_items VALUES(308, 'Paneer pasanda', 250, 202);
INSERT INTO Menu_items VALUES(309,'chole kulche',100,202);
INSERT INTO Menu_items VALUES(310,'Dry manchrian',200,204);
INSERT INTO Menu_items VALUES(311,'CHINESE BHEL',150,204);
INSERT INTO Menu_items VALUES(312,'Fried rice',210,204);
INSERT INTO Menu items VALUES(313, 'lasaniya bataka', 250, 205);
INSERT INTO Menu_items VALUES(314,'rigan no olo',300,205);
INSERT INTO Menu_items VALUES(315,'sev tameta nu shaak',220,205);
INSERT INTO Menu_items VALUES(316,'waffle',220,208);
INSERT INTO Menu_items VALUES(317,'chocolate brownie',115,208);
INSERT INTO Menu items VALUES(318, 'pancakes', 120, 208);
INSERT INTO Menu_items VALUES(319,'burger',55,206);
INSERT INTO Menu_items VALUES(320, 'french fries', 100, 206);
INSERT INTO Menu_items VALUES(321,'muskabun',25,206);
INSERT INTO Menu_items VALUES(322,'peach mojito ',180,207);
INSERT INTO Menu_items VALUES(323, 'hazlenut coffee', 135, 207);
INSERT INTO Menu_items VALUES(324,'kewi juice',90,207);
INSERT INTO Menu_items VALUES(325,'French toast',100,210);
INSERT INTO Menu_items VALUES(326, 'Pancakes', 180, 209);
INSERT INTO Menu_items VALUES(327,'Steaks',335,210);
```

# CREATE TABLE Payment\_details( payment\_id number(8) primary key, payment\_mode varchar(15) NOT NULL, payment\_timestamp timestamp NOT NULL );

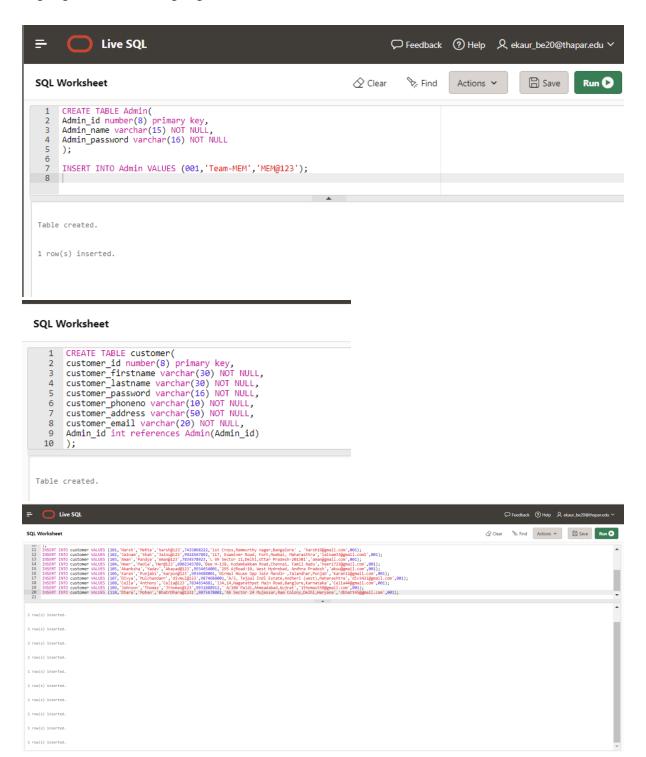
```
INSERT INTO Payment_details VALUES (501,'Online','15-JAN-2022 11:12:33') INSERT INTO Payment_details VALUES (502,'COD','11-FEB-2022 9:06:30'); INSERT INTO Payment_details VALUES (503,'CARD','22-JUN-2022 1:10:22'); INSERT INTO Payment_details VALUES (504,'COD','02-APR-2021 5:12:03'); INSERT INTO Payment_details VALUES (506,'COD','27-JUL-2021 01:13:13'); INSERT INTO Payment_details VALUES (507,'CARD','09-MAY-2022 09:08:48'); INSERT INTO Payment_details VALUES (508,'COD','28-DEC-2021 10:07:53'); INSERT INTO Payment_details VALUES (509,'Online','05-MAR-2022 7:17:37'); INSERT INTO Payment_details VALUES (510,'CARD','16-JAN-2022 9:19:22');
```

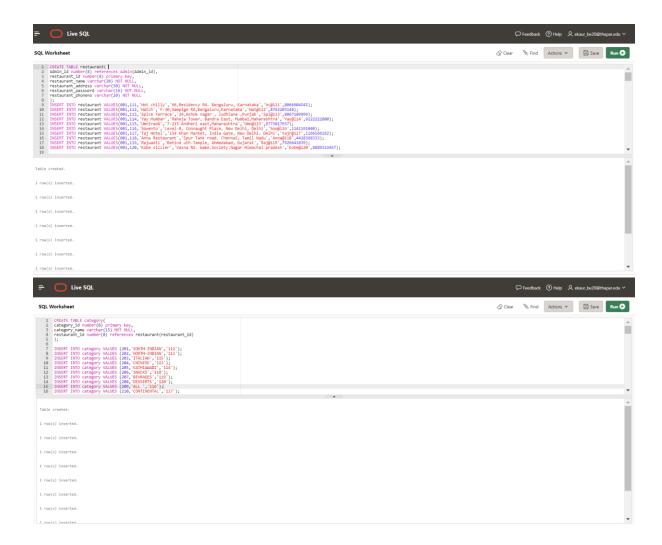
# CREATE TABLE delivery\_details( delivery\_id number(8) primary key, delivery\_address varchar(50) NOT NULL, delivery\_status varchar(30) NOT NULL );

```
INSERT INTO delivery_details VALUES (401,'Akshya Nagar 1st Block 1st Cross nagar,Bangalore','Delivered');
INSERT INTO delivery_details VALUES (402,'Nirmal House, Thane ,Mumbai,Maharashta','Delivered');
INSERT INTO delivery_details VALUES (403,'L 69 Sector 11,Delhi,Uttar Pradesh','Preparing');
INSERT INTO delivery_details VALUES (404,'B_h 138, Kodambakkam High Road,Chennai,Tamil Nadu','Picked-up');
INSERT INTO delivery_details VALUES (405,'295 Aj-kauser Hydrebad,Andhra Pradesh','Delivered');
INSERT INTO delivery_details VALUES (406,'117,Nagindas Road,Mumbai,Maharashtra','preparing');
INSERT INTO delivery_details VALUES (407,'A13, Tejpal Indl Estate, Mumbai, Maharashta','Preparing');
INSERT INTO delivery_details VALUES (408,'134/135 Nagarathpet,Banglore,Karnataka','Delivered');
INSERT INTO delivery_details VALUES (409,'66 Sector 24, Ram Colony,Delhi,Haryana','Picked-up');
INSERT INTO delivery_details VALUES (410,'A/108, Paldi,Ahmeadabad,Gujrat','Picked-up');
```

```
CREATE TABLE Order_details(
Order_id number(8) primary key,
Order_time timestamp,
Order amount number(8) NOT NULL,
Order status varchar(20) NOT NULL,
customer_id number(8) references customer(customer_id),
delivery_id number(8) references delivery_details(delivery_id),
payment_id number(8) references Payment_details(payment_id)
restaurant_id number(8) references restaurant(restaurant_id)
);
INSERT INTO Order_details VALUES (601, '11-FEB-2022 9:06:30', '240', 'Preparing', 101, 401, 501, 111);
INSERT INTO Order_details VALUES (603,'02-APR-2021 5:12:03','345', 'delivered',103,409,503,117);
INSERT INTO Order_details VALUES (604,'27-JUL-2021 01:13:13','400', 'preparing', 104,404,504,112);
INSERT INTO Order_details VALUES (605,'09-MAY-2022 09:08:48','250', 'delivered',104,404,509,119);
INSERT INTO Order_details VALUES (606,'28-DEC-2021 10:07:53','230', 'preparing', 106,406,506,114);
INSERT INTO Order_details VALUES (607, '05-MAR-2022 7:17:37', '300', 'del ivered', 108, 408, 507, 113);
INSERT INTO Order_details VALUES (608,'16-JAN-2022 9:19:22','50', 'preparing',109,410,508,120);
CREATE TABLE Orders(
quantity number(8) NOT NULL,
Order_id number(8) references Order_details(Order_id),
item_code number(8) references Menu_items(item_code)
);
INSERT INTO Orders VALUES (2,601,307);
INSERT INTO Orders VALUES (3,603,305);
INSERT INTO Orders VALUES(2,604,310);
INSERT INTO Orders VALUES (1,605,313);
INSERT INTO Orders VALUES(1,606,301);
INSERT INTO Orders VALUES (3,607,306);
INSERT INTO Orders VALUES(2,608,321);
CREATE TABLE Rating(
ratings number(8) NOT NULL,
customer id number(8) references customer(customer id),
restaurant_id number(8) references restaurant(restaurant_id)
);
INSERT INTO Rating VALUES (3,101,111);
INSERT INTO Rating VALUES (4,102,114);
INSERT INTO Rating VALUES (2,103,117);
INSERT INTO Rating VALUES (4,104,120);
INSERT INTO Rating VALUES (3,106,115);
INSERT INTO Rating VALUES (4,108,113);
INSERT INTO Rating VALUES (3,109,112);
INSERT INTO Rating VALUES (4,110,119);
INSERT INTO Rating VALUES (3,109,116);
```

## SQL QUERIES /PL-SQL QUERIES





```
1 CREATE TABLE Menu_items(
2 item_code number(8) primary key,
3 item_name varchar(20) NOT NULL,
4 Price number(8) NOT NULL,
5 category_id number(8) references category(category_id)
6 );

Table created.
```

```
1 INSERT INTO Menu_items VALUES(301, 'White Pasta',230,203);
2 INSERT INTO Menu_items VALUES(302, 'Arabita Pasta',200,203);
3 INSERT INTO Menu_items VALUES(304, 'Magherita pizza',400,203);
4 INSERT INTO Menu_items VALUES(304, 'gotala dosa',300,201);
5 INSERT INTO Menu_items VALUES(306, 'idla-sambhar',120,201);
6 INSERT INTO Menu_items VALUES(306, 'idla-sambhar',120,201);
7 INSERT INTO Menu_items VALUES(307, 'aloo-cheese paratha',120,202);
8 INSERT INTO Menu_items VALUES(307, 'aloo-cheese paratha',120,202);
9 INSERT INTO Menu_items VALUES(309, 'chole kulche',100,202);
10 INSERT INTO Menu_items VALUES(309, 'chole kulche',100,202);
11 INSERT INTO Menu_items VALUES(310, 'Dry manchran',200,204);
12 INSERT INTO Menu_items VALUES(311, 'CHIMESE BHEL',150,204);
13 INSERT INTO Menu_items VALUES(313, 'lasaniya bataka',250,205);
14 INSERT INTO Menu_items VALUES(313, 'lasaniya bataka',250,205);
15 INSERT INTO Menu_items VALUES(314, 'rajan no olo',300,205);
16 INSERT INTO Menu_items VALUES(316, 'waffle',220,208);
17 INSERT INTO Menu_items VALUES(318, 'pancakes',120,208);
18 INSERT INTO Menu_items VALUES(318, 'pancakes',120,208);
19 INSERT INTO Menu_items VALUES(318, 'pancakes',120,208);
20 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
21 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
22 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
23 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
24 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
25 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
26 INSERT INTO Menu_items VALUES(321, 'muskabun',25,206);
27 INSERT INTO Menu_items VALUES(327, 'brench fries',100,200);
28 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
29 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
20 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
21 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
22 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
23 INSERT INTO Menu_items VALUES(327, 'brench toast',100,210);
24 INSE
```

## **=** Live SQL

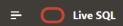
### SQL Worksheet

```
1 CREATE TABLE Payment_details(
2 payment_idn umber(8) primary key,
3 payment_mode varchar(15) NOT NULL,
4 payment_timestamp timestamp NOT NULL,
5 );
6
7 INSERT INTO Payment_details VALUES (501, 'Online', '15-JAN-2022 11:12:33');
8 INSERT INTO Payment_details VALUES (502, 'COD', '11-FEB-2022 9:06:30');
9 INSERT INTO Payment_details VALUES (503, 'CARD', '22-JUN-2022 1:0:22');
10 INSERT INTO Payment_details VALUES (504, 'COD', '02-APR-2012 5:12:03');
11 INSERT INTO Payment_details VALUES (506, 'COD', '27-JUL-2021 0:1:3:13');
12 INSERT INTO Payment_details VALUES (507, 'CARD', '09-MMY-2022 09:08:48');
13 INSERT INTO Payment_details VALUES (509, 'COD', '28-DEC-2021 10:07:53');
14 INSERT INTO Payment_details VALUES (509, 'Online', '05-MAR-2022 7:17:37');
15 INSERT INTO Payment_details VALUES (509, 'CARD', '16-JAN-2022 9:19:22');

Table created.

1 row(s) inserted.

1 row(s) inserted.
```



```
1 CREATE TABLE delivery_details(
2 delivery_idnumber(8) primary key,
3 delivery_address vanchar(30) NOT NULL,
4 delivery_address vanchar(30) NOT NULL,
5 );
6 INSERT INTO delivery_details VALUES (402, 'Mirmal House, Thane ,*Humbai, Maharashta', Delivered');
8 INSERT INTO delivery_details VALUES (402, 'Mirmal House, Thane ,*Humbai, Maharashta', Delivered');
10 INSERT INTO delivery_details VALUES (403, 'Mirmal House, Thane ,*Humbai, Maharashta', Delivered');
11 INSERT INTO delivery_details VALUES (403, 'Mirmal House, Thane ,*Humbai, Maharashta', 'Picked-up');
12 INSERT INTO delivery_details VALUES (405, '295 A)-kauser Hydrebad, Andrhar Dradesh', 'Delivered');
13 INSERT INTO delivery_details VALUES (407, 'Al3, Tejpal Indl Estate, Mumbai, Maharashta', 'Preparing');
14 INSERT INTO delivery_details VALUES (407, 'Al3, Tejpal Indl Estate, Mumbai, Maharashta', 'Preparing');
15 INSERT INTO delivery_details VALUES (409, '66 Sector 24, Ram Colony, Delhi, Haryana', 'Picked-up');
16 INSERT INTO delivery_details VALUES (408, 'A/108, Paldi, Ahmeadabad, Gujrat', 'Picked-up');
17

Table created.
1 row(s) inserted.
```



```
Live SQL
SQL Worksheet
       REATE TABLE Orders(
quantity number(8) NOT NULL,
Order_id number(8) references Order_det.
item_code number(8) references Menu_iter
);

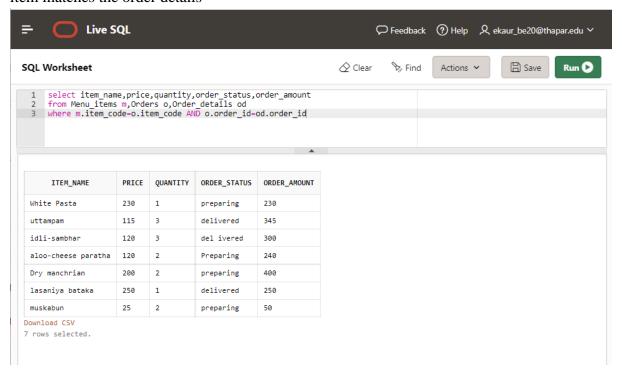
INSERT INTO Orders VALUES (2,601,307);
INSERT INTO Orders VALUES (3,603,305);
INSERT INTO Orders VALUES (1,605,313);
INSERT INTO Orders VALUES (1,606,301);
INSERT INTO Orders VALUES (3,607,306);
INSERT INTO Orders VALUES (3,607,306);
INSERT INTO Orders VALUES (3,607,306);
INSERT INTO Orders VALUES (2,608,321);
                                  CREATE TABLE Orders(
quantity number(8) NOT NULL,
Order_id number(8) references Order_details(Order_id),
item_code number(8) references Menu_items(item_code)
);
 Table created.
 1 row(s) inserted.
 1 row(s) inserted.
 1 row(s) inserted.
 1 row(s) inserted.
1 row(s) inserted.
 1 row(s) inserted.
 1 row(s) inserted.
                                                                                  Live SQL
   SQL Worksheet
            CREATE TABLE Rating(
ratings number(8) NOT NULL,
customer_id number(8) references customer(customer_id),
restaurant_id number(8) references restaurant(restaurant_id)
);

to the control of the control o
      Table created.
      1 row(s) inserted.
      1 row(s) inserted.
      1 row(s) inserted.
      1 row(s) inserted.
    1 row(s) inserted.
      1 row(s) inserted.
      1 row(s) inserted.
      1 row(s) inserted.
```





#Retrieve the item name, price, quantity, order status and total amount of order when menu item matches the order details



## #alter table

1 alter table customer modify customer\_address varchar(60)

Table altered.

#

### **SQL** Worksheet

```
1 select item_name,category_name,price
2 from category c,Menu_items m
3 where m.category_id=c.category_id
4 and price >'250'
     ITEM_NAME
                         CATEGORY_NAME PRICE
  gotala dosa
                         SOUTH-INDIAN
                                             300
  Magherita pizza ITALIAN
                                             400
  rigan no olo
                         KATHIAWADI
                                             300
  Steaks
                     CONTINENTAL
                                             335
 Download CSV
 4 rows selected.
```

#order by

ITEM_CODE	ITEM_NAME	PRICE	CATEGORY_ID
321	muskabun	25	206
319	burger	55	286
324	kewi juice	98	207
325	French toast	100	210
320	french fries	100	206
309	chole kulche	100	202
305	uttampam	115	201
317	chocolate brownie	115	208
307	aloo-cheese paratha	120	202
306	idli-sambhar	120	201
318	pancakes	120	208
323	hazlenut coffee	135	207
311	CHINESE BHEL	150	284
322	peach mojito	180	207
326	Pancakes	180	209
310	Dry manchrian	200	284
302	Arabita Pasta	200	203
312	Fried rice	210	284
316	waffle	220	208
315	sev tameta nu shaak	220	205
301	White Pasta	230	203
313	lasaniya bataka	250	205

Download CSV

27 rows selected.

Paneer pasanda

rigan no olo

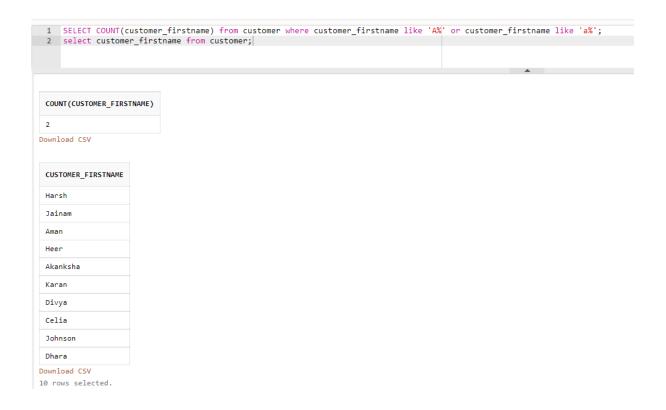
gotala dosa

Magherita pizza

Steaks

SELECT COUNT(customer\_firstname) from customer where customer\_firstname like 'A%' or customer\_firstname like 'a%';

select customer\_firstname from customer;



## #group by and having

