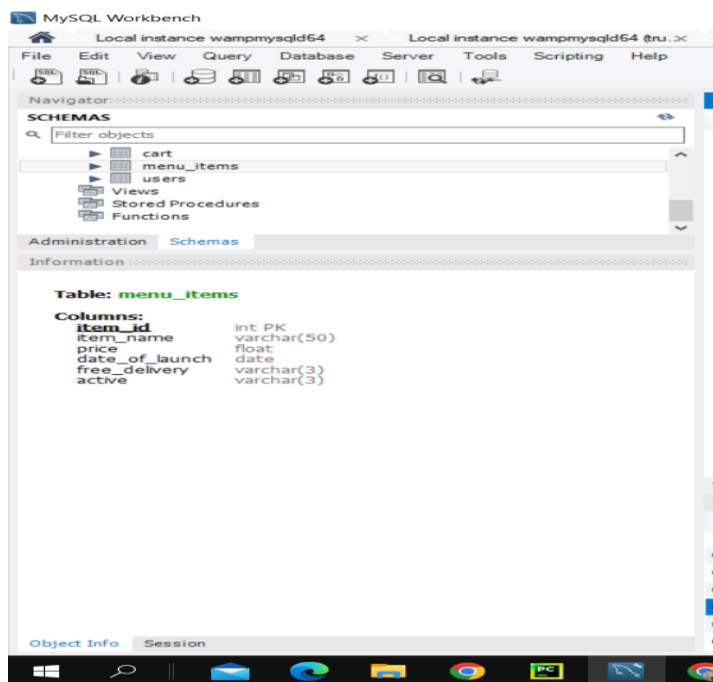


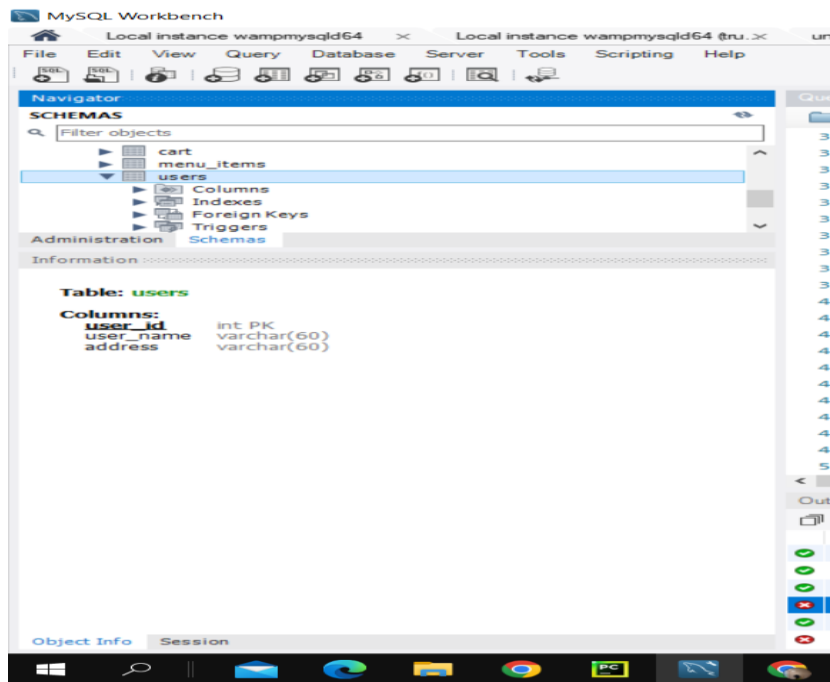
```
create database truYum;
```

```
use truYum;
```

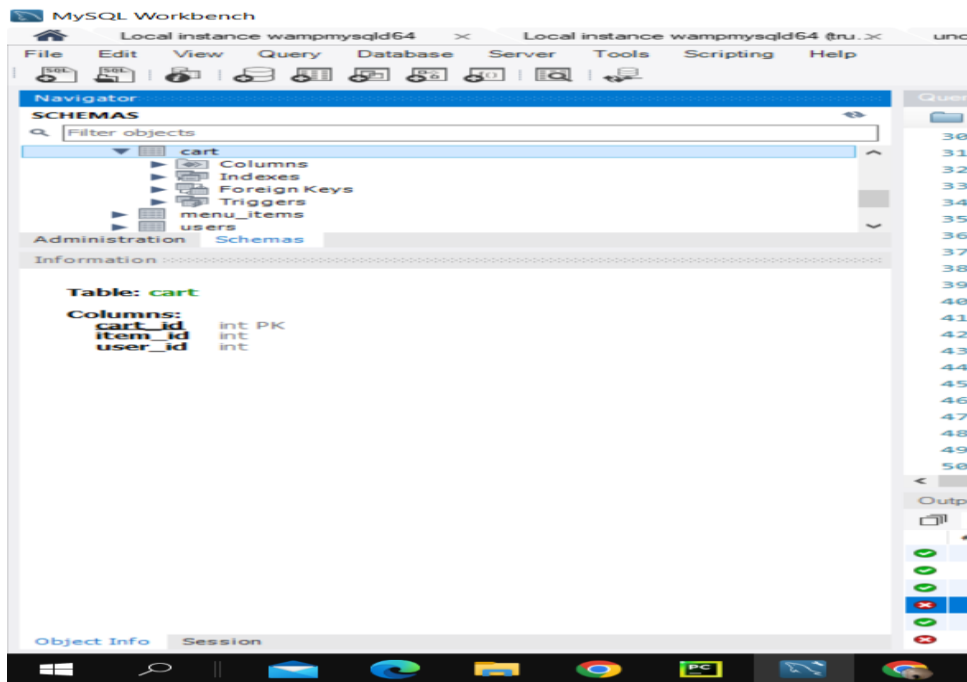
```
create table menu_items (  
    item_id int primary key,  
    item_name varchar(50),  
    price float,  
    date_of_launch date not null,  
    free_delivery varchar(3),  
    active varchar(3)  
);
```



```
create table users (  
    user_id int primary key,  
    user_name varchar(60),  
    address varchar(60)  
);
```



```
create table cart (  
    cart_id int primary key,  
    item_id int,  
    user_id int,  
    foreign key (user_id) references users(user_id),  
    foreign key (item_id) references menu_items(item_id)  
);
```



insert into menu_items values (1, 'Sandwich', 99.00, '2017-03-15', 'Yes', 'Yes');

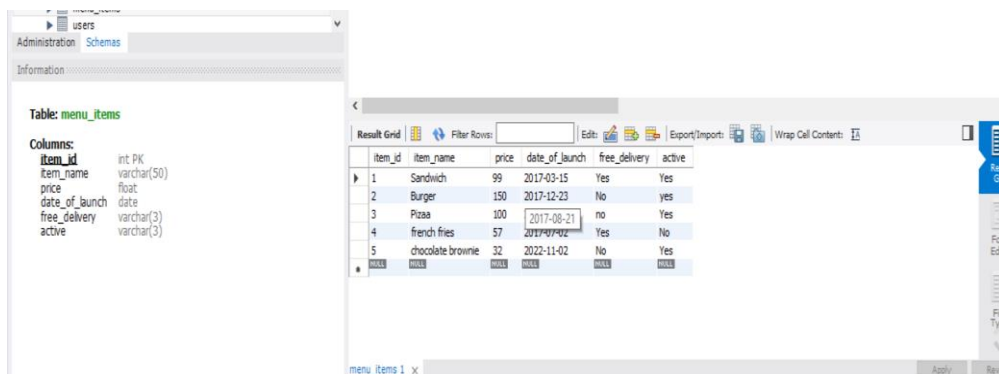
insert into menu_items values (2, 'Burger', 129.00, '2017-12-23', 'No', 'yes');

insert into menu_items values (3, 'Pizaa', 149.00, '2017-08-21', 'no', 'Yes');

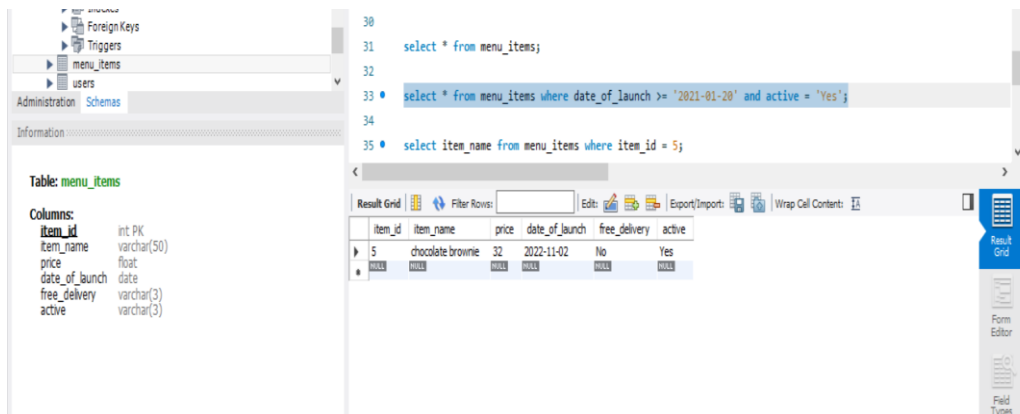
insert into menu_items values (4, 'french fries', 57.00, '2017-07-02', 'Yes', 'No');

insert into menu_items values (5, 'chocolate brownie', 32.00, '2022-11-02', 'No', 'Yes');

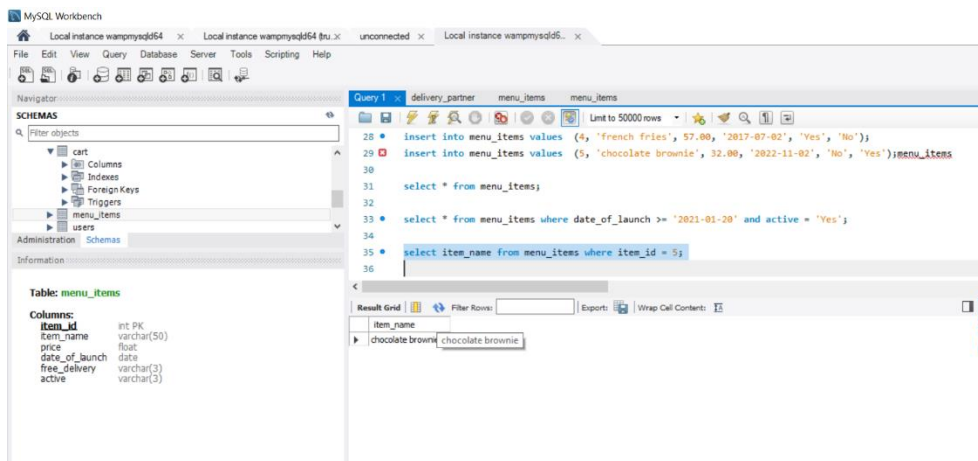
select * from menu_items;



select * from menu_items where date_of_launch >= '2021-01-20' and active = 'Yes';

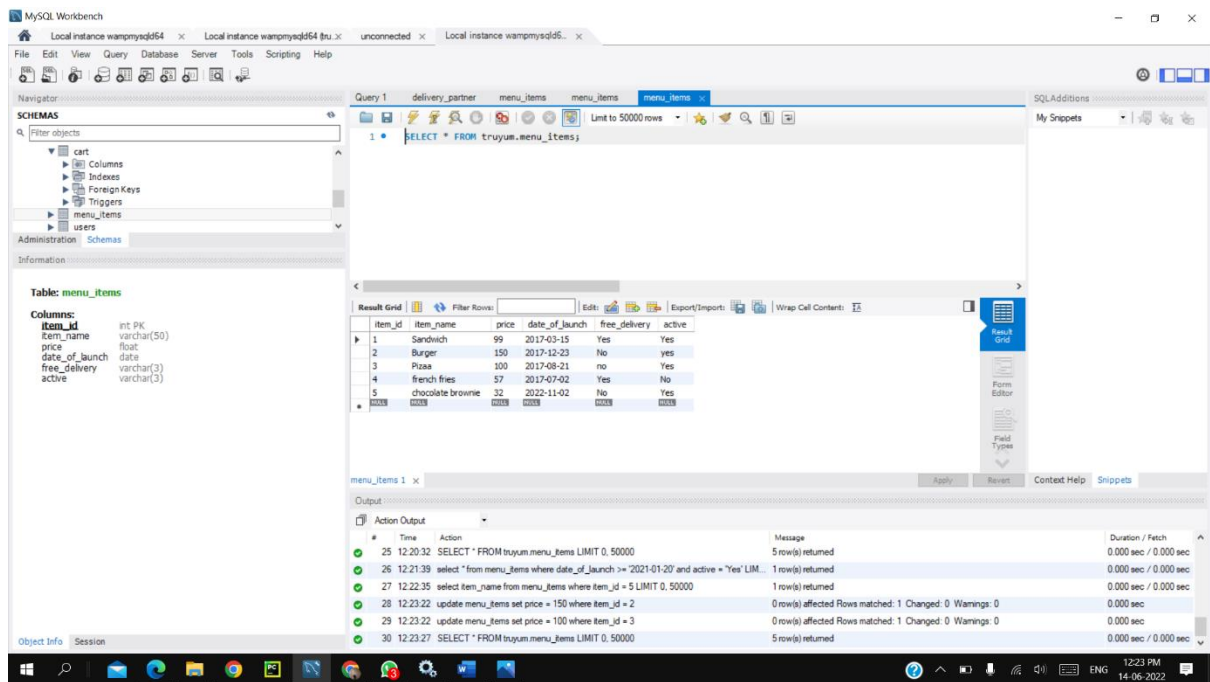


select item_name from menu_items where item_id = 5;



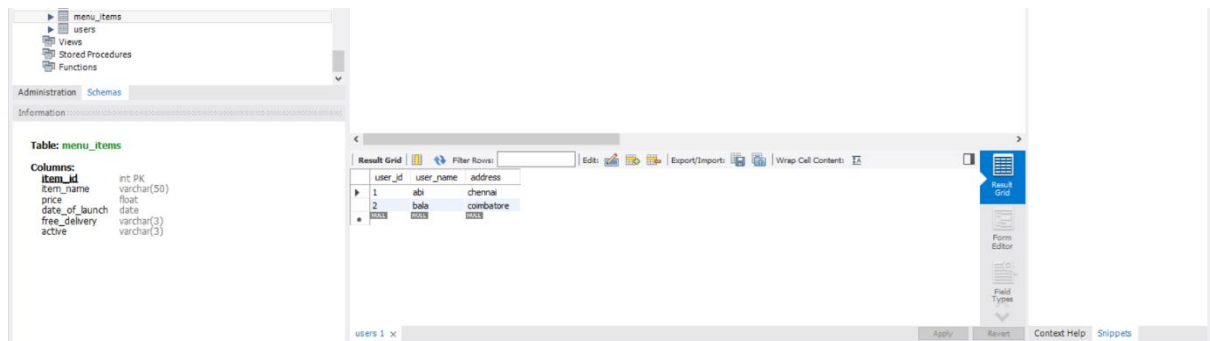
update menu_items set price = 150 where item_id = 2;

update menu_items set price = 100 where item_id = 3;

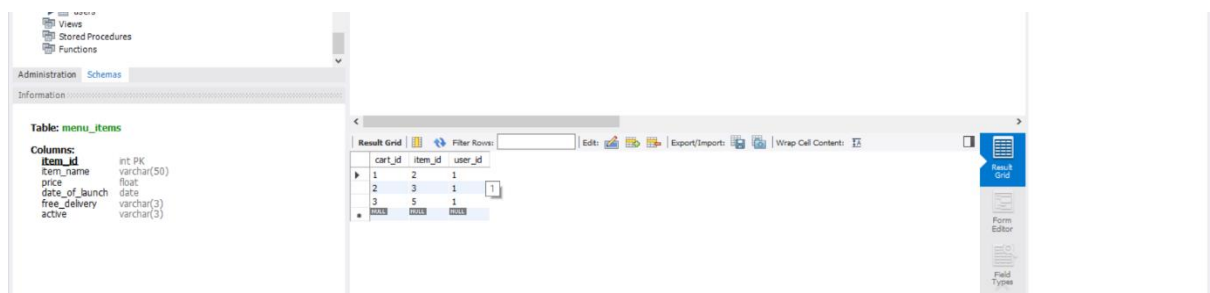


insert into users values (1, 'abi', 'chennai');

insert into users values (2, 'bala', 'coimbatore');



insert into cart values (1, 2, 1), (2, 3, 1), (3, 5, 1);



select a.item_name from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1;

MySQL Workbench interface showing a query execution. The query is:

```
select a.item_name from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1;
```

The result grid shows the following data:

Item_name
Burger
Pizza
chocolate brownie

The Action Output pane shows the execution steps and their durations:

#	Time	Action	Message	Duration / Fetch
28	12:23:22	update menu_items set price = 150 where item_id = 2	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
29	12:23:22	update menu_items set price = 100 where item_id = 3	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
30	12:23:27	SELECT * FROM toymenu.menu_items LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
31	12:23:57	SELECT * FROM toymenu.cart LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
32	12:24:06	SELECT * FROM toymenu.users LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec
33	12:25:20	select a.item_name from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1	3 row(s) returned	0.000 sec / 0.000 sec

select sum(a.price) from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1;

MySQL Workbench interface showing a query execution. The query is:

```
select sum(a.price) from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1;
```

The result grid shows the following data:

sum(a.price)
282

The Action Output pane shows the execution steps and their durations:

#	Time	Action	Message	Duration / Fetch
28	12:23:22	update menu_items set price = 100 where item_id = 3	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
30	12:23:27	SELECT * FROM toymenu.menu_items LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec
31	12:23:57	SELECT * FROM toymenu.cart LIMIT 0, 50000	3 row(s) returned	0.000 sec / 0.000 sec
32	12:24:06	SELECT * FROM toymenu.users LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec
33	12:25:20	select a.item_name from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1	3 row(s) returned	0.000 sec / 0.000 sec
34	12:25:35	select sum(a.price) from menu_items as a join cart as b on a.item_id = b.item_id where b.user_id = 1	1 row(s) returned	0.000 sec / 0.000 sec

delete from cart where user_id = 1 and item_id = 3;

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with a filter for 'objects'. The 'cart' table is selected, showing its columns: cart_id (int PK), item_id (int), and user_id (int). The main query editor shows a query: `SELECT * FROM truyum.cart;`. The 'Result Grid' displays the following data:

cart_id	item_id	user_id
1	2	1
3	5	1

The 'Output' pane at the bottom shows the 'Action Output' for the query execution. The log includes the following entries:

#	Time	Action	Message	Duration / Fetch
31	12:23:57	SELECT * FROM truyum.cart	3 row(s) returned	0.000 sec / 0.000 sec
32	12:24:06	SELECT * FROM truyum.cart LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec
33	12:25:20	select a.item_name from menu_items as a join cart as b on a.item_id = b.item_id where ...	3 row(s) returned	0.000 sec / 0.000 sec
34	12:25:35	select sum(a.price) from menu_items as a join cart as b on a.item_id = b.item_id where ...	1 row(s) returned	0.000 sec / 0.000 sec
35	12:25:44	delete from cart where user_id = 1 and item_id = 3	1 row(s) affected	0.062 sec
36	12:27:01	SELECT * FROM truyum.cart LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec