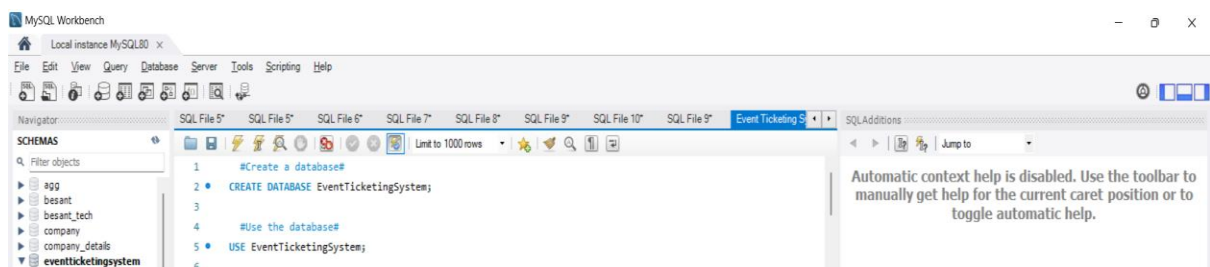


Event Ticketing System

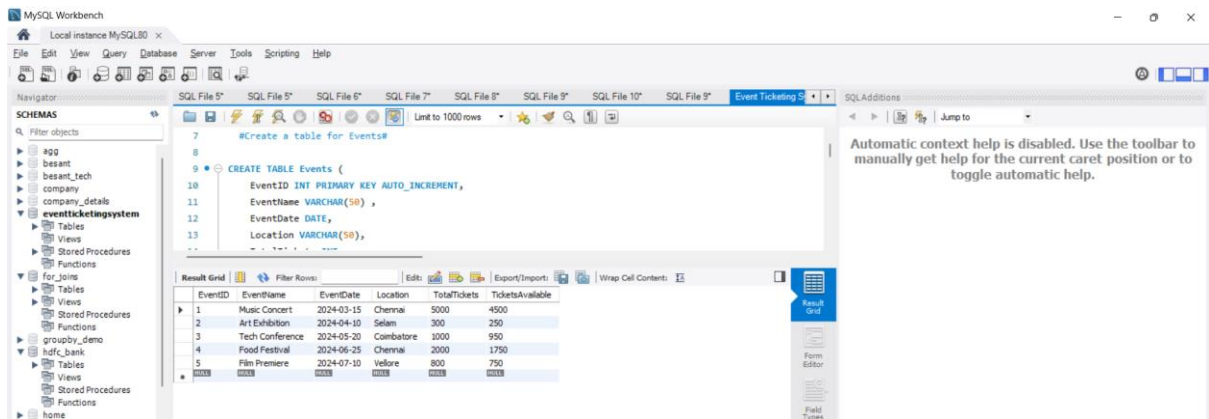


#Create a database#

```
CREATE DATABASE EventTicketingSystem;
```



#Create a table for Events#



CREATE TABLE Events (

EventID INT PRIMARY KEY AUTO_INCREMENT,

EventName VARCHAR(50) ,

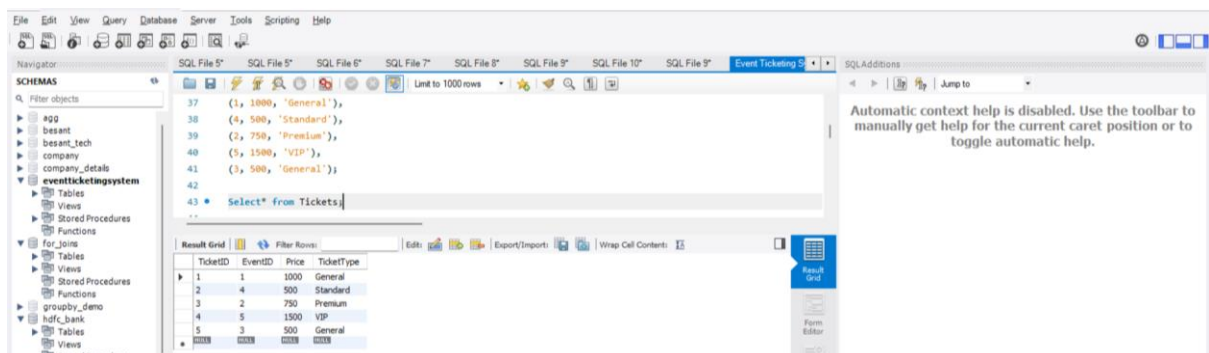
EventDate DATE,

Location VARCHAR(50),

TotalTickets INT,

TicketsAvailable INT NOT NULL);

#Create the Tickets table#



CREATE TABLE Tickets (

TicketID INT PRIMARY KEY AUTO_INCREMENT,

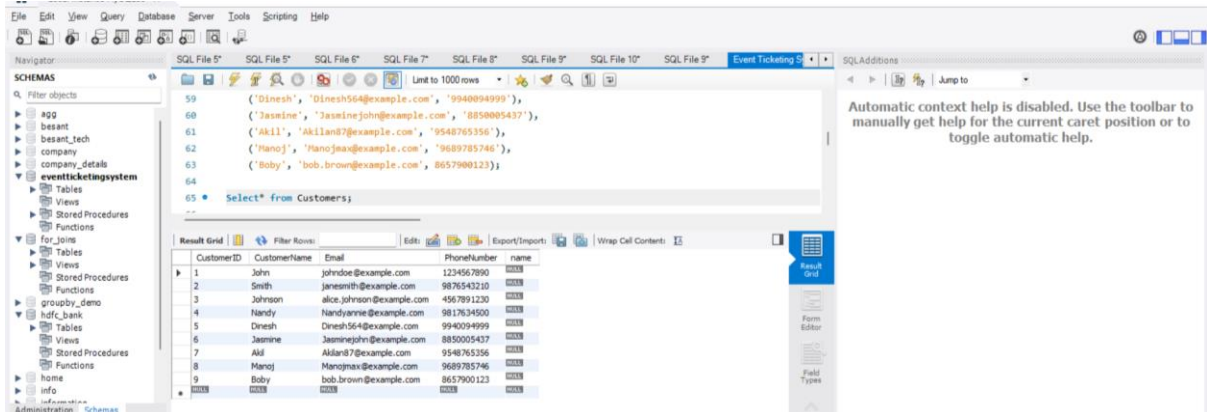
EventID INT,

Price int NOT NULL,

TicketType VARCHAR(50) NOT NULL,

FOREIGN KEY (EventID) REFERENCES Events(EventID));

#Create the Customers table#



CREATE TABLE Customers (

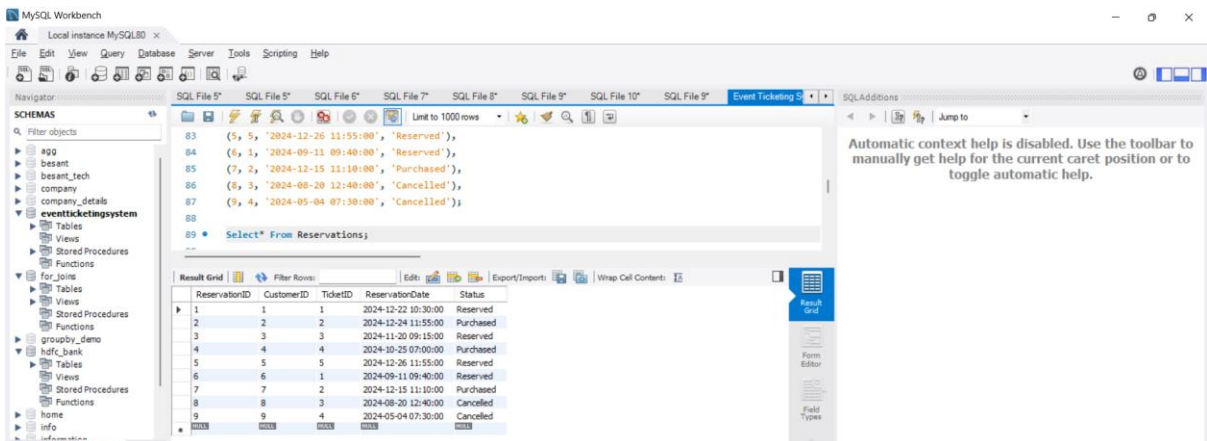
CustomerID INT PRIMARY KEY AUTO_INCREMENT,

CustomerName VARCHAR(20) NOT NULL,

Email VARCHAR(50) UNIQUE NOT NULL,

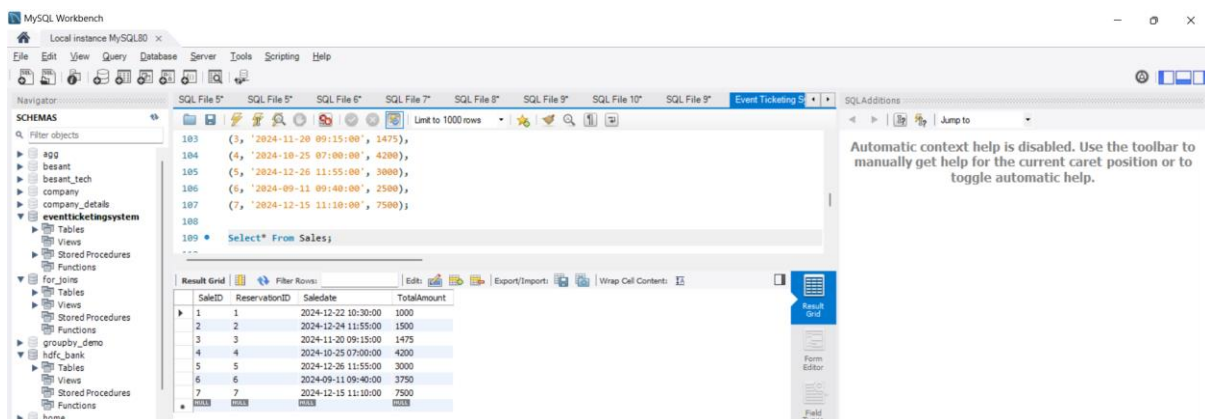
PhoneNumber VARCHAR(15));

#Create the Reservations table#



```
CREATE TABLE Reservations (
    ReservationID INT PRIMARY KEY AUTO_INCREMENT,
    CustomerID INT,
    TicketID INT,
    ReservationDate DATETIME NOT NULL,
    Status enum('Reserved', 'Purchased', 'Cancelled') DEFAULT 'Reserved',
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),
    FOREIGN KEY (TicketID) REFERENCES Tickets(TicketID));
```

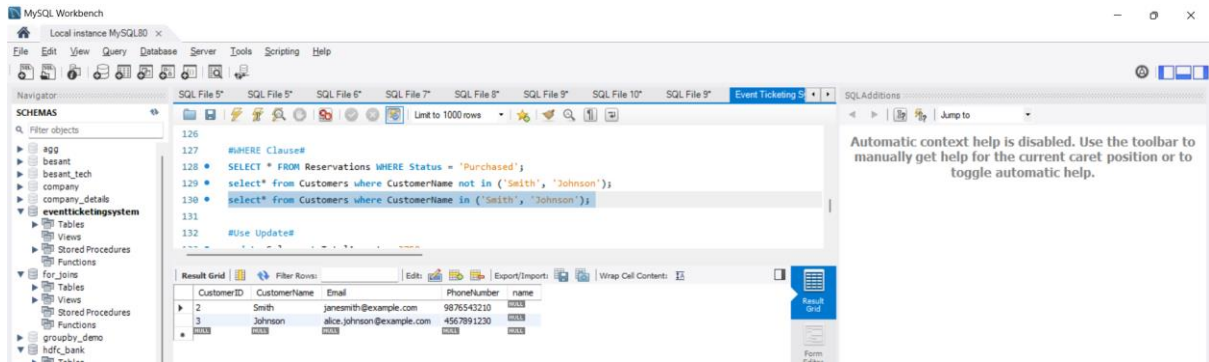
#Create the Sales table#



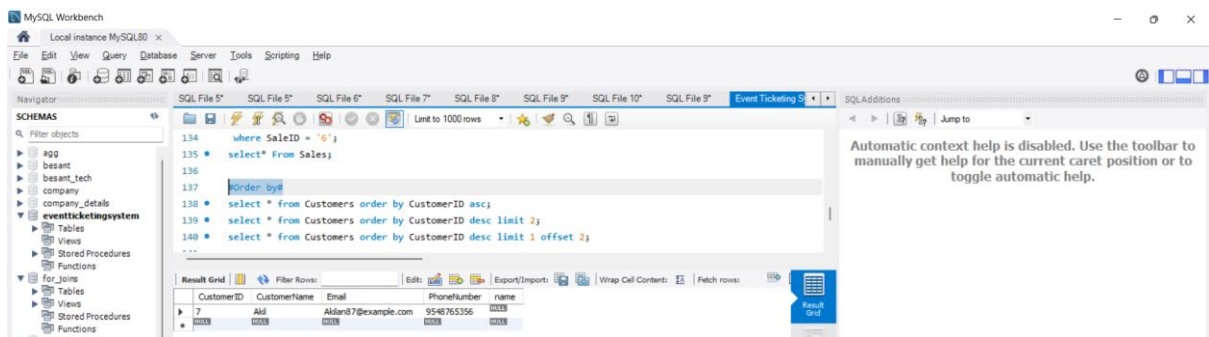
```
CREATE TABLE Sales (
    SaleID INT PRIMARY KEY AUTO_INCREMENT,
    ReservationID INT,
    SaleDate DATETIME NOT NULL,
    TotalAmount int NOT NULL,
    FOREIGN KEY (ReservationID) REFERENCES Reservations(ReservationID));
```

IN & Not IN:

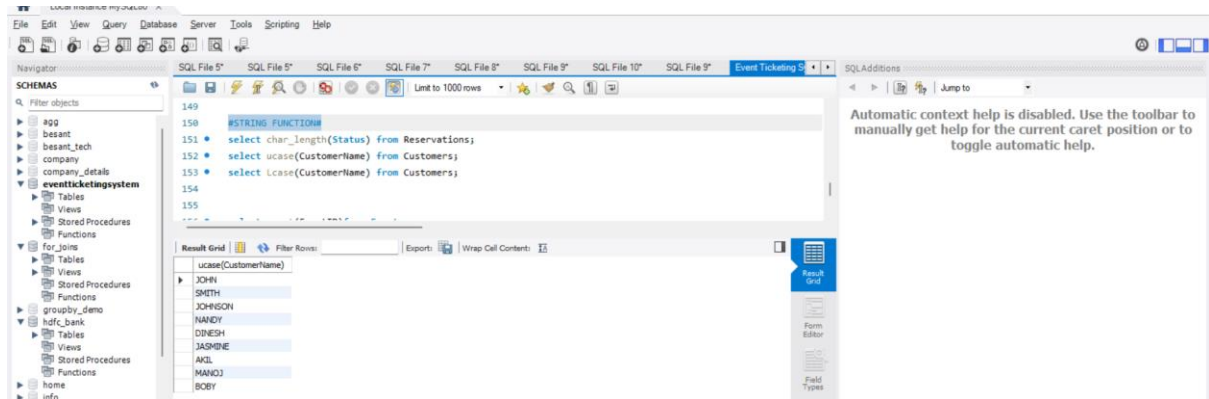
```
select* from Customers where CustomerName in ('Smith', 'Johnson');
```



#Order by#



#STRING FUNCTION#



INDEX FUNCTION#

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- agg
- besant
- besant_tech
- company
- company_details
- eventticketingsystem
 - Tables
 - Views
 - Stored Procedures
 - Functions
- for_joins
 - Tables
 - Views
 - Stored Procedures
 - Functions
- groupby_demo
- hdfc_bank
 - Tables

SQL File 5* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10* SQL File 9* Event Ticketing 5*

Limit to 1000 rows

```
158 • select min(TotalAmount)from Sales;
159 • select max(TotalAmount)from Sales;
160 • select avg(Price)from Tickets;
161
162 # INDEX FUNCTION
163 • create index indx_Price on Tickets(Price);
164 • show index from Tickets;
```

Result Grid

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment
tickets	0	PRIMARY	1	TicketID	A	5				BTREE	
tickets	1	EventID	1	EventID	A	5			YES	BTREE	
tickets	1	indx_Price	1	Price	A	4				BTREE	

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.