```
create table Books
(
    BookID varchar(10) PRIMARY KEY,
    Title varchar(30),
    Author varchar(30),
    Price int,
    PublishDate date);

Insert into Books values
('101', 'The Alchemist', 'Paulo Coelho', 350, '2010-06-15'),
('102', 'Atomic Habits', 'James Clear', 450, '2018-10-16'),
('103', 'Clean Code', 'Robert Martin', 550, '2008-08-01'),
('104', 'Think like a Monk', 'Jay Shetty', 400, '2020-09-08'),
('105', 'Python Crash Course', 'Eric Matthes', 500, '2019-05-10');

create table Customers
(
    CustID varchar(10) PRIMARY KEY,
    Name varchar(30),
    Email varchar(200),
    JoinDate date);

Insert into Customers values
('201', 'Arjun Nair', 'arjun@gmail.com', '2021-02-10'),
('202', 'Priya Nair', 'priya@yahoo.com', '2020-07-25'),
('203', 'John Smith', 'john@gmail.com', '2022-01-14'),
('204', 'Maria Lopez', 'maria@outlook.com', '2019-11-30');

create table Orders
(
    OrderID varchar(10) PRIMARY KEY,
    CustID varchar(10),
    BookID varchar(10),
    OrderDate date,
```

```
FOREIGN KEY (CustID) references Customers(CustID),
FOREIGN KEY (BookID) references Books(BookID),
Quantity int);

Insert into Orders values
('301', '201', '102', '2022-03-05', 2),
('302', '202', '101', '2021-09-12', 1),
('303', '203', '105', '2022-05-20', 3),
('304', '204', '104', '2020-12-25', 1),
('305', '201', '103', '2021-11-18', 1);

Select upper(Name) from Customers;
Select lower(Name) from Customers;
Select Substring(Title, 1, 3) from Books;
Select Substring(Email, charindex('@', Email) + 1, len(email));
Select len(Title) from Books;
Select replace(Title, 'Book', 'Text') from Books;
select concat('Author: ', Title) from Books;
select Title from Books where Author like "%a%";
Select Title, year(PublishDate) from Books;
Select Name, month(JoinDate) as name from Customers;
Select Name from Customers where year(JoinDate) in(2022);
Select Dayname(OrderDate) from Orders;
Select TIMESTAMPDIFF(YEAR, Publishdate, now()) from Books;
Select DATEDIFF(now(), JoinDate) from Customers;
Select * from Orders where month(OrderDate) in (12);
Select count(BookID) from Books;
Select avg(Price) from Books;
Select max(Price), min(Price) from Books;
Select count(CustID) from Customers where year(JoinDate) > 2020;
Select sum(Quantity) from Orders;
Select CustID, Quantity from Orders;
```