DBMS
FINAL TERM PROJECT

BS COMPUTER SCIENCE

Submitted To:

Dr. Zahid Iqbal

Submitted By:

Talha Siddique (21011519-056)

Section: c

Submission Date:

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BOOK SHOP MANAGEMENT SYSTEM

Project Code:

Tables:

```
----->(B O O K    M A N A G E M E N T    S Y S T E M)<-----


        ----->(TABLE NAME: PUBLISHER)<-----
CREATE TABLE Publisher (
  PublisherID INT PRIMARY KEY,
  PublisherName VARCHAR(30),
  Publisher_Address VARCHAR(255),
  City VARCHAR(30),
  StateProvince VARCHAR(30),
  PostalCode VARCHAR(20),
  Country VARCHAR(30)
);

      ----->(TABLE NAME: AUTHOR)<-----
CREATE TABLE Author (
  AuthorID INT PRIMARY KEY,
  AuthorName VARCHAR(30),
  Bio TEXT
);

CREATE TABLE BookCategories (
  GenreID INT PRIMARY KEY,
  CategoryName VARCHAR(30)
);

        ----->(TABLE NAME: BOOKINFO)<-----
CREATE TABLE BookInfo(
  BookID INT PRIMARY KEY,
  Title VARCHAR(40) NOT NULL,
  ISBN VARCHAR(16) NOT NULL,
  GenreID INT,
  PublicationYear INT,
  Price DECIMAL(10, 2) NOT NULL,
  QuantityInStock INT,
  Description TEXT,
  PublisherID INT,
  AuthorID INT,
  FOREIGN KEY (PublisherID) REFERENCES Publisher(PublisherID),
  FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID),
  FOREIGN KEY (GenreID) REFERENCES BookCategories(GenreID)
);



        ----->(TABLE NAME: EMPLOYEE)<-----
CREATE TABLE Employees(
  EmployeeID INT PRIMARY KEY,
  FirstName VARCHAR(30) NOT NULL,
  LastName VARCHAR(30) NOT NULL,
  Email VARCHAR(30) NOT NULL,
```

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  PhoneNumber VARCHAR(25),
  Employee_Address VARCHAR(255),
  City VARCHAR(20),
  StateProvince VARCHAR(20),
  PostalCode VARCHAR(20),
  Country VARCHAR(30),
  JobTitle VARCHAR(30),
  Salary DECIMAL(10, 2)
);

        ----->(TABLE NAME: SUPPLIER)<-----
CREATE TABLE Supplier (
  SupplierID INT PRIMARY KEY,
  SupplierName VARCHAR(30),
  ContactPerson VARCHAR(15),
  Email VARCHAR(40),
  PhoneNumber VARCHAR(25),
  Supplier_Address VARCHAR(255),
  City VARCHAR(30),
  StateProvince VARCHAR(30),
  PostalCode VARCHAR(20),
  Country VARCHAR(30)
);

        ----->(TABLE NAME: CUSTOMER)<-----
CREATE TABLE Customer (
  CustomerID INT PRIMARY KEY,
  FirstName VARCHAR(30) NOT NULL,
  LastName VARCHAR(30) NOT NULL,
  Email VARCHAR(40) NOT NULL,
  PhoneNumber VARCHAR(25),
  Customer_Address VARCHAR(255),
  City VARCHAR(100),
  StateProvince VARCHAR(30),
  PostalCode VARCHAR(15),
  Country VARCHAR(30)
);

            ----->(TABLE NAME:  ORDERHEAD)<-----
CREATE TABLE OrderHeader (
  OrderID INT PRIMARY KEY,
  CustomerID INT,
  OrderDate DATE,
  FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID)
);

            ----->(TABLE NAME:  ORDER PAYMENT)<-----
CREATE TABLE OrderPayment (
  OrderID INT PRIMARY KEY,
  TotalAmount DECIMAL(10, 2),
  PaymentMethod VARCHAR(50),
  PaymentStatus VARCHAR(20),
  FOREIGN KEY (OrderID) REFERENCES OrderHeader(OrderID),

);

----->(TABLE NAME:  Book Order)<-----

CREATE TABLE BookOrder(
      OrderID INT,
      BookID INT,
      Quantity INT,
```

```sql
        FOREIGN KEY (OrderID) REFERENCES OrderHeader (OrderID),
        FOREIGN KEY (BookID) REFERENCES BookInfo (BookID)

);

        ----->(TABLE NAME: PURCHASE HEADER)<-----
CREATE TABLE PurchaseHeader (
  PurchaseID INT PRIMARY KEY,
  SupplierID INT,
  PurchaseDate DATE,
  FOREIGN KEY (SupplierID) REFERENCES Supplier(SupplierID)
);

        ----->(TABLE NAME: PURCHASE ITEM)<-----
CREATE TABLE PurchaseItem (
  PurchaseItemID INT PRIMARY KEY,
  PurchaseID INT,
  BookID INT,
  Quantity INT,
  UnitPrice DECIMAL(10, 2),
  FOREIGN KEY (PurchaseID) REFERENCES PurchaseHeader(PurchaseID),
  FOREIGN KEY (BookID) REFERENCES BookInfo(BookID)
);
```

Insert Data into Tables:

```sql
        ----->(INSERT DATA INTO TABLE)<----


            ----->(TABLE NAME: BOOKINFO)<-----
INSERT INTO BookInfo (BookID, Title, ISBN, GenreID, PublicationYear, Price,
QuantityInStock, Description, PublisherID, AuthorID)

VALUES
  (1, 'The Secret Garden', '9780143106454', 6, 1911, 12.99, 100, '14 childrens novel
about a hidden garden.', 1, 1),

  (2, 'To Kill a Mockingbird', '9780061120084', 1, 1960, 15.50, 75, 'Powerful story
addressing racial injustice in the American South.', 2, 2),

  (3, 'Becoming', '9781524763138', 9, 2018, 22.95, 50, 'Memoir of the life of Michelle
Obama.', 3, 3),

  (4, 'Harry Potter and the Sorcerers Stone', '9780590353427', 5, 1997, 19.99, 120,
'The first book in the Harry Potter series.', 4, 4),

  (5, 'Dune', '9780441013593', 2, 1965, 18.75, 60, 'Epic tale set in a distant future
on the desert planet Arrakis.', 5, 5),

  (6, 'Gone Girl', '9780307588371', 3, 2012, 16.99, 90, 'Thriller about the mysterious
disappearance of a woman.', 6, 6),

  (7, 'Sapiens: A Brief History of Humankind', '9780062316097', 10, 2014, 21.95, 40,
'Exploration of the history of humankind.', 7, 7),
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  (8, 'The Notebook', '9780552155754', 4, 1996, 14.50, 85, 'A tale of love and
devotion.', 8, 8),

  (9, 'A Little Life', '9780804172707', 7, 2015, 15.99, 70, 'Epic novel about
friendship and trauma.', 22, 22),

  (10, 'The Hunger Games', '9780439023481', 8, 2008, 13.75, 110, 'Dystopian adventure
where teenagers fight to the death.', 10, 10),

  (11, '1984', '9780451524935', 2, 1949, 12.99, 65, '14 dystopian novel by George
Orwell.', 1, 4),

  (12, 'The Great Gatsby', '9780743273565', 1, 1925, 15.95, 75, 'Iconic portrayal of
the Jazz Age in America.', 2, 5),

  (13, 'The Catcher in the Rye', '9780316769488',7, 1951, 13.25, 70, 'Coming-of-age
novel by J.D. Salinger.', 3, 1),

  (14, 'The Da Vinci Code', '9780385504201', 11, 2003, 19.50, 60, 'Conspiracy thriller
by Dan Brown.', 4, 2),

  (15, 'Pride and Prejudice', '9780141439518', 4, 1813, 11.99, 90, '14 romance novel
by Jane Austen.', 5, 3),

  (16, 'The Alchemist', '9780061122415', 1, 1988, 14.95, 85, 'Philosophical tale about
a journey of self-discovery.', 6, 5),

  (17, 'The Girl with the Dragon Tattoo', '9780307454546', 3, 2005, 16.25, 65, 'Crime
novel by Stieg Larsson.', 7, 7),

  (18, 'The Lord of the Rings', '9780618640157', 5, 1954, 22.50, 50, 'Epic fantasy
trilogy by J.R.R. Tolkien.', 8, 9),

  (19, 'The Chronicles of Narnia', '9780064404990', 6, 1950, 19.99, 75, '14 childrens
fantasy series by C.S. Lewis.', 9, 8),

  (20, 'Brave New World', '9780060850524', 2, 1932, 12.50, 60, 'Dystopian novel by
Aldous Huxley.', 10, 10),

  (21, 'The Night Circus', '9780385534635', 5, 2011, 17.50, 80, 'Magical competition
set in a mysterious circus.', 11, 11),

  (22, 'Sapiens: A Graphic History', '9780063051320', 12, 2021, 24.95, 45,
'Illustrated adaptation of the history of humankind.', 12, 7),

  (23, 'Outlander', '9780440242949', 10, 1991, 16.75, 70, 'Time-travel romance set in
18th-century Scotland.', 13, 12),

  (24, 'Neuromancer', '9780441569595', 13, 1984, 14.99, 60, 'Influential novel that
coined the term "cyberspace".', 14, 9),

  (25, 'Caraval', '9781250095251', 8, 2017, 13.25, 95, 'Fantasy game with a magical
carnival setting.', 15, 10),

  (26, 'The Handmaids Tale', '9780385490818', 2, 1985, 14.50, 85, 'Dystopian novel by
Margaret Atwood.', 1, 1),

  (27, 'The Hobbit', '9780547928227', 5, 1937, 12.99, 75, 'Fantasy adventure novel by
J.R.R. Tolkien.', 2, 9),

  (28, 'To All the Boys I have Loved Before', '9781442426719', 8, 2014, 13.99, 100,
'Contemporary romance with a series of love letters.', 3, 8),

  (29, 'Jurassic Park', '9780345370778', 2, 1990, 15.95, 60, 'Dinosaurs brought back
to life in a theme park.', 4, 5),
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  (30, 'Little Women', '9780143106485', 14, 1868, 11.25, 80, '14 novel following the
lives of four sisters.', 5, 3),

  (31, 'A Game of Thrones', '9780553103540', 5, 1996, 18.50, 70, 'Epic fantasy series
by George R.R. Martin.', 6, 4),

  (32, 'The Silent Patient', '9781250301697', 3, 2019, 16.99, 90, 'Psychological
thriller about a woman who stopped speaking.', 7, 6),

  (33, 'The Name of the Wind', '9780756404741', 5, 2007, 19.25, 50, 'Epic fantasy
novel by Patrick Rothfuss.', 8, 7),

  (34, 'Alices Adventures in Wonderland', '9781503250210', 6, 1865, 10.99, 120, '14
childrens tale by Lewis Carroll.', 9, 11),

  (35, 'The Shining', '9780307743657', 15, 1977, 14.50, 65, 'Psychological horror
novel by Stephen King.', 10, 13),

  (36, 'Gone with the Wind', '9781451635621', 10, 1936, 15.99, 70, 'Epic romance novel
set during the American Civil War.', 11, 14),

  (37, 'The Power of One', '9780345410054',10, 1989, 16.75, 50, 'Coming-of-age story
set in South Africa.', 12, 15),

  (38, 'The Subtle Art of Not Giving a F*ck', '9780062457714', 16, 2016, 13.95, 100,
'Personal development book by Mark Manson.', 13, 11),

  (39, 'The Maze Runner', '9780385737951', 8, 2009, 12.25, 75, 'Dystopian adventure
with a deadly maze.', 14, 12),

  (40, 'The Nightingale', '9780312577223', 10, 2015, 15.95, 80, 'Tale of two sisters
during World War II.', 5, 25),

  (41, 'The Fault in Our Stars', '9780525478812', 8, 2012, 13.99, 85, 'Heartrending
tale of young love and cancer.', 16, 16),

  (42, 'Educated', '9780399590504', 2, 2018, 18.50, 65, 'Memoir of a womans quest for
education and self-discovery.', 17, 17),

  (43, 'The Girl on the Train', '9781594633669', 11, 2015, 14.75, 70, 'Mystery
thriller with an unreliable narrator.', 18, 18),

  (44, 'The Fellowship of the Ring', '9780618346257', 5, 1954, 21.99, 55, 'First part
of the Lord of the Rings trilogy.', 19, 19),

  (45, 'A Wrinkle in Time', '9780312367541', 2, 1962, 12.25, 90, '14 2 novel for young
readers.', 20, 20),

  (46, 'The Lion, the Witch, and the Wardrobe', '9780064404990', 6, 1950, 19.99, 70,
'First book of the Chronicles of Narnia series.', 1, 8),

  (47, 'The Silence of the Girls', '9780525522294', 10, 2018, 15.50, 60, 'Retelling of
the Trojan War from the perspective of women.', 2, 9),

  (48, 'The Hate U Give', '9780062498533', 8, 2017, 14.95, 80, 'Powerful novel
addressing police violence and race.', 3, 10),

  (49, 'The Stand', '9780307743688', 15, 1978, 17.25, 75, 'Post-apocalyptic horror
epic by Stephen King.', 4, 13),

  (50, 'The Subtle Knife', '9780375842382', 5, 1997, 16.99, 65, 'Second book of the
His Dark Materials trilogy.', 5, 11),

  (51, 'The Road', '9780307387899', 5, 2006, 13.50, 85, 'Post-apocalyptic novel about
a father and sons journey.', 6, 5),
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(52, 'One Hundred Years of Solitude', '9780060883287', 17, 1967, 15.99, 70, 'Magical family saga by Gabriel García Márquez.', 7, 14),

   (53, 'The Priory of the Orange Tree', '9781635570298', 5, 2019, 23.99, 50, 'Epic fantasy novel with dragons and magic.', 11, 19),

   (54, 'The Hitchhikers Guide to the Galaxy', '9780345391803', 2, 1979, 11.99, 80, '14 humorous sci-fi novel by Douglas Adams.', 13, 4),

   (55, 'The Martian', '9780553418026', 2, 2011, 14.50, 70, 'Survival story of an astronaut stranded on Mars.', 14, 19),

   (56, 'The Picture of Dorian Gray', '9780486278070', 14, 1890, 11.25, 90, '14 novel about the pursuit of pleasure and beauty.', 16, 15),

   (57, 'The Giver', '9780544340688', 8, 1993, 12.99, 75, 'Dystopian novel about a controlled society.', 17, 20),

   (58, 'A Clash of Kings', '9780553108030', 5, 1999, 18.50, 70, 'Second book of the A Song of Ice and Fire series.', 18, 4),

   (59, 'Harry Potter and the Prisoner of Azkaban', '9780439136365', 5, 1999, 19.99, 85, 'Third book in the Harry Potter series.', 20, 3),

   (60, 'The Immortal Life of Henrietta Lacks', '9781400052189', 8, 2010, 13.50, 50, 'Biography of the woman behind HeLa cells.', 1, 17),

   (61, 'The Outsiders', '9780142407332', 8, 1967, 10.99, 90, '14 coming-of-age novel by S.E. Hinton.', 2, 16),

   (62, 'The Book Thief', '9780375842207', 10, 2005, 17.25, 70, 'Story set during World War II, narrated by Death.', 5, 9),

   (63, 'The Kite Runner', '9781594631931', 1, 2003, 14.75, 75, 'Novel about friendship and redemption in Afghanistan.', 6, 6),

   (64, 'Nineteen Eighty-Four', '9780451524935', 2, 1949, 12.99, 65, '14 dystopian novel by George Orwell.', 7, 4),

   (65, 'The Goldfinch', '9780316055444', 7, 2013, 16.99, 80, 'Coming-of-age novel and art heist.', 21, 18),

   (66, 'The Adventures of Huckleberry Finn', '9780143107321', 14, 1885, 11.99, 90, '14 novel by Mark Twain.', 23, 16),

   (67, 'The Road Less Traveled', '9780671250676', 16, 1978, 13.50, 70, '14 self-help book by M. Scott Peck.', 24, 19),

   (68, 'The Great Alone', '9780312577230', 10, 2018, 15.95, 75, 'Historical novel set in Alaska.', 25, 21),

   (69, 'The Help', '9780425232200', 10, 2009, 12.25, 80, 'Novel about African American maids in the 1960s.', 1, 1),

   (70, 'The Underground Railroad', '9780385542364', 10, 2016, 16.99, 75, 'Historical novel about a runaway slave.', 24, 27),

   (71, 'The Magicians Nephew', '9780064405027', 6, 1955, 19.99, 85, 'First book of the Chronicles of Narnia series.', 5, 3),

   (72, 'Where the Crawdads Sing', '9780735219090', 1, 2018, 15.95, 95, 'Mystery and coming-of-age novel.', 8, 25),

   (73, 'The Sun Also Rises', '9780743297332', 7, 1926, 12.50, 85, '14 novel by Ernest Hemingway.', 21, 24),

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  (74, 'The Power of Habit', '9780812981605', 16, 2012, 13.95, 65, 'Exploration of the
science of habits and human behavior.', 11, 15),

  (75, 'A Man Called Ove', '9781476738024', 1, 2012, 13.25, 70, 'Heartwarming tale of
a grumpy old man.', 23, 1),

  (76, 'The Shadow of the Wind', '9780143034902', 3, 2004, 14.75, 75, 'Mystery set in
post-war Barcelona.', 13, 23),

  (77, 'The Secret Life of Bees', '9780143114559', 10, 2001, 13.25, 80, 'Coming-of-age
novel set in the 1960s.', 14, 21),

  (78, 'Eleanor Oliphant Is Completely Fine', '9780735220690', 1, 2017, 14.95, 75,
'Novel about the life of an eccentric woman.', 18, 28),

  (79, 'Little Fires Everywhere', '9780735224292', 1, 2017, 15.99, 80, 'Novel about
family secrets and suburban life.', 20, 23);


  ----->(TABLE NAME: Publisher)<-----

  INSERT INTO Publisher (PublisherID, PublisherName, Publisher_Address, City,
StateProvince, PostalCode, Country)

VALUES

  (1, 'Penguin Books', '123 Main Street', 'New York', 'NY', '10001', 'USA'),

  (2, 'HarperCollins', '456 Oak Avenue', 'London', 'England', 'SW1A 1AA', 'UK'),

  (3, 'Random House', '789 Maple Drive', 'Toronto', 'Ontario', 'M5H 1P6', 'Canada'),

  (4, 'Oxford University Press', '10 Broad Street', 'Oxford', 'England', 'OX1 3AP',
'UK'),

  (5, 'Simon & Schuster', '555 Broadway', 'Los Angeles', 'CA', '90012', 'USA'),

  (6, 'Hachette Book Group', '123 Broadway', 'New York', 'NY', '10003', 'USA'),

  (7, 'Macmillan Publishers', '456 Park Avenue', 'London', 'England', 'W1J 7UJ',
'UK'),

  (8, 'Penguin Random House', '789 Lakeview Terrace', 'Toronto', 'Ontario', 'M4B 1B3',
'Canada'),

  (9, 'Cambridge University Press', '10 Kings Parade', 'Cambridge', 'England', 'CB2
1SJ', 'UK'),

  (10, 'Scholastic Corporation', '555 School Street', 'New York', 'NY', '10013',
'USA'),

  (11, 'Houghton Mifflin Harcourt', '111 Pine Street', 'Boston', 'MA', '02108',
'USA'),

  (12, 'Bloomsbury Publishing', '222 Baker Street', 'London', 'England', 'W1U 3BW',
'UK'),

  (13, 'Hodder & Stoughton', '333 Kings Road', 'London', 'England', 'SW3 5EW', 'UK'),

  (14, 'Viking Press', '444 Madison Avenue', 'New York', 'NY', '10022', 'USA'),

  (15, 'Harperteen', '555 Broadway', 'New York', 'NY', '10012', 'USA'),

  (16, 'Random House Childrens Books', '777 Park Avenue', 'New York', 'NY', '10021',
'USA'),
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    (17, 'Hachette Childrens Group', '888 Riverside Drive', 'London', 'England', 'SE1
9PB', 'UK'),

    (18, 'Alfred A. Knopf', '999 Fifth Avenue', 'New York', 'NY', '10028', 'USA'),

    (19, 'Vintage Books', '1111 Broadway', 'London', 'England', 'SW1H 0BD', 'UK'),

    (20, 'Scholastic Press', '2222 School Street', 'New York', 'NY', '10001', 'USA'),

    (21, 'HarperCollins Publishers', '333 Park Avenue', 'New York', 'NY', '10022',
'USA'),

    (22, 'St. Martins Press', '777 Riverside Drive', 'New York', 'NY', '10024', 'USA'),

    (23, 'Vintage Childrens 14s', '555 Baker Street', 'London', 'England', 'W1U 8ED',
'UK'),

    (24, 'Knopf Doubleday', '666 Fifth Avenue', 'New York', 'NY', '10103', 'USA'),

    (25, 'Penguin 14s', '777 Madison Avenue', 'London', 'England', 'WC2H 9EA', 'UK'),

    (26, 'Harper Perennial', '444 Park Avenue', 'New York', 'NY', '10021', 'USA'),

    (27, 'Vintage', '666 Baker Street', 'New York', 'NY', '10012', 'USA');


----->(TABLE NAME: Author)<-----

INSERT INTO Author (AuthorID, AuthorName, Bio)

VALUES

    (1, 'John Smith', 'John Smith is a prolific author with many bestsellers.'),

    (2, 'Jane Doe', 'Jane Doe is a renowned writer of mystery novels.'),

    (3, 'Michael Johnson', 'Michael Johnson has written several award-winning
biographies.'),

    (4, 'Emily White', 'Emily White is an expert in fantasy 1.'),

    (5, 'Robert Lee', 'Robert Lee is known for his thought-provoking 2 stories.'),

    (6, 'Jennifer Brown', 'Jennifer Brown writes compelling contemporary 1.'),

    (7, 'William Turner', 'William Turner is a historian and non-1 author.'),

    (8, 'Elizabeth Green', 'Elizabeth Green specializes in romance novels.'),

    (9, 'Daniel Black', 'Daniel Black is a poet and literary 1 writer.'),

    (10, 'Sarah Adams', 'Sarah Adams is an advocate for young adult literature.'),

    (11, 'David Roberts', 'David Roberts writes historical 1 and thrillers.'),

    (12, 'Mary Turner', 'Mary Turner is an expert in historical non-1.'),

    (13, 'Sophie Green', 'Sophie Green specializes in contemporary romance novels.'),

    (14, 'Andrew Black', 'Andrew Black is a 2 and fantasy author.'),

    (15, 'Emma Adams', 'Emma Adams writes young adult fantasy and adventure stories.'),

    (16, 'Sarah Roberts', 'Sarah Roberts writes heartwarming contemporary 1.'),

    (17, 'Richard Turner', 'Richard Turner is a historian and biographer.'),
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  (18, 'Olivia Green', 'Olivia Green specializes in romantic suspense novels.'),

  (19, 'Matthew Black', 'Matthew Black is a fantasy and adventure author.'),

  (20, 'Sophia Adams', 'Sophia Adams writes thrilling young adult 1.'),

  (21, 'Laura Turner', 'Laura Turner writes gripping psychological thrillers.'),

  (22, 'Christopher Adams', 'Christopher Adams is a bestselling fantasy author.'),

  (23, 'Grace Roberts', 'Grace Roberts specializes in heartwarming contemporary 1.'),

  (24, 'Michael Green', 'Michael Green writes historical 1 and mysteries.'),

  (25, 'Ella Adams', 'Ella Adams is a young adult 1 author.'),

  (26, 'Daniel Turner', 'Daniel Turner is a bestselling thriller author.'),

  (27, 'Thomas Roberts', 'Thomas Roberts is a renowned 2 author.'),

  (28, 'Oliver Adams', 'Oliver Adams specializes in mystery and suspense.'),

  (29, 'Emma Turner', 'Emma Turner writes young adult 1.');




  ----->(TABLE NAME: Customer)<-----
INSERT INTO Customer (CustomerID, FirstName, LastName, Email, PhoneNumber,
Customer_Address, City, StateProvince, PostalCode, Country)
VALUES
  (1, 'Ali', 'Khan', 'ali.khan@gmail.com', '+92 300 1234567', '123 Main Street',
'Karachi', 'Sindh', '74000', 'Pakistan'),

  (2, 'Fatima', 'Ahmed', 'fatima.ahmed@gmail.com', '+92 321 9876543', '456 Park
Avenue', 'Lahore', 'Punjab', '54000', 'Pakistan'),

  (3, 'Usman', 'Hassan', 'usman.hassan@gmail.com', '+92 333 2468135', '789 Street
Road', 'Islamabad', 'Islamabad Capital', '44000', 'Pakistan'),

  (4, 'Ayesha', 'Ali', 'ayesha.ali@gmail.com', '+92 311 7766554', '10 Plaza Road',
'Rawalpindi', 'Punjab', '46000', 'Pakistan'),

  (5, 'Hassan', 'Raza', 'hassan.raza@gmail.com', '+92 345 1122334', '222 Avenue Lane',
'Faisalabad', 'Punjab', '38000', 'Pakistan'),

  (6, 'Sana', 'Malik', 'sana.malik@gmail.com', '+92 320 9876123', '15 Garden Avenue',
'Karachi', 'Sindh', '74000', 'Pakistan'),

  (7, 'Bilal', 'Ahmed', 'bilal.ahmed@gmail.com', '+92 331 5550001', '17 Liberty Road',
'Lahore', 'Punjab', '54000', 'Pakistan'),

  (8, 'Hina', 'Khan', 'hina.khan@gmail.com', '+92 322 2345678', '45 Green Street',
'Islamabad', 'Islamabad Capital', '44000', 'Pakistan'),

  (9, 'Omar', 'Rafiq', 'omar.rafiq@gmail.com', '+92 333 9876543', '23 Mall Avenue',
'Rawalpindi', 'Punjab', '46000', 'Pakistan'),

  (10, 'Mehreen', 'Ali', 'mehreen.ali@gmail.com', '+92 311 6543210', '33 Market
Square', 'Faisalabad', 'Punjab', '38000', 'Pakistan'),

  (11, 'Tariq', 'Hussain', 'tariq.hussain@gmail.com', '+92 333 1122334', '55 Mall
Road', 'Multan', 'Punjab', '60000', 'Pakistan'),
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```sql
  (12, 'Amina', 'Siddiqui', 'amina.siddiqui@gmail.com', '+92 322 4455667', '7 Liberty
Avenue', 'Karachi', 'Sindh', '74000', 'Pakistan'),

  (13, 'Nasir', 'Khan', 'nasir.khan@gmail.com', '+92 335 8877665', '14 Garden Road',
'Lahore', 'Punjab', '54000', 'Pakistan'),

  (14, 'Rabia', 'Qureshi', 'rabia.qureshi@gmail.com', '+92 324 2221110', '26 Park
Lane', 'Islamabad', 'Islamabad Capital', '44000', 'Pakistan'),

  (15, 'Faisal', 'Aziz', 'faisal.aziz@gmail.com', '+92 334 9871234', '12 Plaza
Avenue', 'Rawalpindi', 'Punjab', '46000', 'Pakistan'),

  (16, 'Sara', 'Ahmed', 'sara.ahmed@gmail.com', '+92 315 1234567', '20 Avenue Road',
'Faisalabad', 'Punjab', '38000', 'Pakistan'),

  (17, 'Farhan', 'Raza', 'farhan.raza@gmail.com', '+92 321 6540987', '19 Market
Street', 'Multan', 'Punjab', '60000', 'Pakistan'),

  (18, 'Anam', 'Ali', 'anam.ali@gmail.com', '+92 323 2233445', '5 Mall Lane',
'Karachi', 'Sindh', '74000', 'Pakistan'),

  (19, 'Zubair', 'Khan', 'zubair.khan@gmail.com', '+92 335 9988776', '31 Garden
Square', 'Lahore', 'Punjab', '54000', 'Pakistan'),

  (20, 'Zara', 'Malik', 'zara.malik@gmail.com', '+92 333 4455667', '18 Liberty
Avenue', 'Islamabad', 'Islamabad Capital', '44000', 'Pakistan'),

  (21, 'Ali', 'Rafiq', 'ali.rafiq@gmail.com', '+92 321 1122334', '24 Plaza Road',
'Rawalpindi', 'Punjab', '46000', 'Pakistan'),

  (22, 'Sana', 'Aziz', 'sana.aziz@gmail.com', '+92 311 9988776', '37 Market Lane',
'Faisalabad', 'Punjab', '38000', 'Pakistan'),

  (23, 'Bilal', 'Hussain', 'bilal.hussain@gmail.com', '+92 331 2233445', '8 Mall
Square', 'Multan', 'Punjab', '60000', 'Pakistan'),

  (24, 'Hina', 'Siddiqui', 'hina.siddiqui@gmail.com', '+92 322 7890123', '30 Garden
Road', 'Karachi', 'Sindh', '74000', 'Pakistan'),

  (25, 'Omar', 'Khan', 'omar.khan@gmail.com', '+92 334 4567890', '11 Liberty Lane',
'Lahore', 'Punjab', '54000', 'Pakistan');
```

----->(TABLE NAME: Employees)<-----

```sql
INSERT INTO Employees (EmployeeID, FirstName, LastName, Email, PhoneNumber,
Employee_Address, City, StateProvince, PostalCode, Country, JobTitle, Salary)
VALUES
  (1, 'Ahmed', 'Khan', 'ahmed.khan@gmail.com', '0312-1234567', '123 Main Street',
'Karachi', 'Sindh', '75000', 'Pakistan', 'Manager', 45000.00),

  (2, 'Fatima', 'Ali', 'fatima.ali@gmail.com', '0321-2345678', '456 Park Road',
'Lahore', 'Punjab', '54000', 'Pakistan', 'Assistant Manager', 35000.00),

  (3, 'Mohammad', 'Iqbal', 'mohammad.iqbal@gmail.com', '0300-9876543', '789 Market
Avenue', 'Islamabad', 'Islamabad Capital', '44000', 'Pakistan', 'Sales Executive',
25000.00),
```

```sql
  (4, 'Ayesha', 'Malik', 'ayesha.malik@gmail.com', '0315-5432109', '321 Business
Boulevard', 'Rawalpindi', 'Punjab', '46000', 'Pakistan', 'Sales Executive', 23000.00),

  (5, 'Usman', 'Haider', 'usman.haider@gmail.com', '0345-6789012', '654 Industrial
Area', 'Faisalabad', 'Punjab', '38000', 'Pakistan', 'Cashier', 18000.00),

  (6, 'Sadia', 'Akhtar', 'sadia.akhtar@gmail.com', '0333-1122334', '987 Retail
Street', 'Multan', 'Punjab', '60000', 'Pakistan', 'Sales Executive', 22000.00),

  (7, 'Ali', 'Raza', 'ali.raza@gmail.com', '0301-4567890', '1234 Mart Avenue',
'Hyderabad', 'Sindh', '71000', 'Pakistan', 'Cashier', 17000.00),

  (8, 'Hina', 'Qureshi', 'hina.qureshi@gmail.com', '0322-3456789', '567 Store Road',
'Gujranwala', 'Punjab', '52250', 'Pakistan', 'Sales Executive', 24000.00),

  (9, 'Farhan', 'Mehmood', 'farhan.mehmood@gmail.com', '0316-7890123', '321 Shopper
Square', 'Sialkot', 'Punjab', '51310', 'Pakistan', 'Sales Executive', 23000.00),

  (10, 'Sana', 'Nawaz', 'sana.nawaz@gmail.com', '0345-6789012', '654 Retail Plaza',
'Gujrat', 'Punjab', '50700', 'Pakistan', 'Cashier', 18000.00);


  ----->(TABLE NAME: Supplier)<-----

INSERT INTO Supplier (SupplierID, SupplierName, ContactPerson, Email, PhoneNumber,
Supplier_Address, City, StateProvince, PostalCode, Country)

VALUES

  (1, 'Asian Books Co.', 'John Lee', 'john.lee@asianbooksco.com', '+65 9876 5432',
'123 Orchard Road', 'Singapore', 'Singapore', '123456', 'Singapore'),

  (2, 'Tokyo Publishing House', 'Yuki Tanaka', 'yuki.tanaka@tokyopublishing.com', '+81
3 1234 5678', '456 Ginza Street', 'Tokyo', 'Tokyo', '789012', 'Japan'),

  (3, 'Shanghai Literature Group', 'Li Wei', 'li.wei@shanghailitgroup.com', '+86 21
9876 5432', '789 Nanjing Road', 'Shanghai', 'Shanghai', '345678', 'China'),

  (4, 'Delhi Books Emporium', 'Rajesh Sharma', 'rajesh.sharma@delhibooks.com', '+91 11
2345 6789', '234 Connaught Place', 'New Delhi', 'Delhi', '567890', 'India'),

  (5, 'Seoul Book Distributors', 'Kim Min-ji', 'minji.kim@seoulbooks.co.kr', '+82 2
3456 7890', '789 Jongno Street', 'Seoul', 'Seoul', '901234', 'South Korea');



  ----->(TABLE NAME: OrderHeader)<-----

INSERT INTO OrderHeader (OrderID, CustomerID, OrderDate)

VALUES

  (1, 4, '2023-07-25'),

  (2, 2, '2023-07-26'),

  (3, 4, '2023-07-27'),

  (4, 6, '2023-07-27'),

  (5, 7, '2023-07-28'),

  (6, 10,'2023-07-29'),
```

```sql
  (7, 11, '2023-07-30'),
  (8, 17, '2023-07-30'),
  (9, 15, '2023-07-31'),
  (10, 13, '2023-08-01'),
  (11, 14, '2023-08-02'),
  (12, 18, '2023-08-03'),
  (13, 19, '2023-08-04'),
  (14, 11, '2023-08-04'),
  (15, 12, '2023-08-05'),
  (16, 17, '2023-08-06'),
  (17, 15, '2023-08-07'),
  (18, 21, '2023-08-08'),
  (19, 9, '2023-08-08'),
  (20, 9, '2023-08-09'),
  (21, 10, '2023-08-10'),
  (22, 13, '2023-08-11'),
  (23, 17, '2023-08-12'),
  (24, 21, '2023-08-12'),
  (25, 25, '2023-08-13'),
  (26, 24, '2023-08-14'),
  (27, 24, '2023-08-15'),
  (28, 23, '2023-08-15'),
  (29, 6, '2023-08-16'),
  (30, 9, '2023-08-17');




  ----->(TABLE NAME: Order Payment)<-----
INSERT INTO OrderPayment (OrderID, TotalAmount, PaymentMethod, PaymentStatus)
VALUES
  (1, 125.50, 'Credit Card', 'Paid'),
  (2, 75.99, 'Cash on Delivery', 'Pending'),
  (3, 89.75, 'Online Bank Transfer', 'Paid'),
  (4, 50.25, 'Credit Card', 'Paid'),
  (5, 35.80, 'Cash on Delivery', 'Paid'),
  (6, 45.25, 'Online Bank Transfer', 'Paid'),
```

```sql
    (7, 65.99, 'Cash on Delivery', 'Paid'),
    (8, 32.50, 'Credit Card', 'Paid'),
    (9, 70.75, 'Credit Card', 'Pending'),
    (10, 28.50, 'Cash on Delivery', 'Paid'),
    (11, 37.80, 'Online Bank Transfer', 'Paid'),
    (12, 22.95, 'Cash on Delivery', 'Paid'),
    (13, 59.99, 'Credit Card', 'Paid'),
    (14, 40.75, 'Cash on Delivery', 'Paid'),
    (15, 80.50, 'Online Bank Transfer', 'Paid'),
    (16, 19.95, 'Credit Card', 'Paid'),
    (17, 38.25, 'Cash on Delivery', 'Pending'),
    (18, 46.99, 'Credit Card', 'Paid'),
    (19, 55.50, 'Cash on Delivery', 'Paid'),
    (20, 65.75, 'Credit Card', 'Paid'),
    (21, 75.25, 'Cash on Delivery', 'Paid'),
    (22, 26.80, 'Online Bank Transfer', 'Paid'),
    (23, 28.95, 'Credit Card', 'Pending'),
    (24, 50.50, 'Cash on Delivery', 'Paid'),
    (25, 62.99, 'Online Bank Transfer', 'Paid'),
    (26, 15.75, 'Credit Card', 'Paid'),
    (27, 34.50, 'Cash on Delivery', 'Paid'),
    (28, 25.95, 'Credit Card', 'Paid'),
    (29, 40.80, 'Cash on Delivery', 'Paid'),
    (30, 45.99, 'Credit Card', 'Paid');


    ----->(TABLE NAME: BookOrder)<-----
INSERT INTO BookOrder (OrderID, BookID, Quantity)
VALUES
    (1, 1, 2),
    (1, 2, 1),
    (2, 5, 3),
    (3, 7, 1),
    (4, 2, 2),
    (4, 10, 1),
    (5, 1, 1),
```

```
(6, 3, 4),
(6, 8, 2),
(7, 1, 3),
(8, 12, 1),
(9, 1, 2),
(9, 13, 1),
(10, 3, 1),
(10, 9, 1),
(11, 5, 2),
(12, 3, 1),
(13, 6, 1),
(14, 7, 2),
(15, 1, 1),
(15, 8, 1),
(15, 13, 3),
(16, 9, 2),
(17, 2, 1),
(18, 1, 1),
(18, 11, 1),
(19, 6, 2),
(20, 4, 1),
(20, 9, 1),
(21, 7, 1),
(21, 13, 1),
(22, 10, 3),
(23, 5, 1),
(23, 12, 2),
(24, 2, 1),
(24, 11, 1),
(25, 6, 1),
(25, 13, 1),
(26, 3, 2),
(27, 8, 1),
(28, 1, 1),
(28, 12, 1),
```

```
    (29, 5, 2),

    (30, 3, 1),

    (30, 7, 1);


    -- Insert data into PurchaseHeader table

INSERT INTO PurchaseHeader (PurchaseID, SupplierID, PurchaseDate)

VALUES

    (1, 1, '2023-07-25'),

    (2, 3, '2023-07-26'),

    (3, 5, '2023-07-27'),

    (4, 2, '2023-07-28'),

    (5, 4, '2023-07-28'),

    (6, 4, '2023-07-29'),

    (7, 2, '2023-07-30'),

    (8, 1, '2023-07-30'),

    (9, 5, '2023-07-31'),

    (10, 3, '2023-08-01'),

    (11, 3, '2023-08-02'),

    (12, 1, '2023-08-03'),

    (13, 5, '2023-08-04'),

    (14, 2, '2023-08-04'),

    (15, 4, '2023-08-05'),

    (16, 3, '2023-08-06'),

    (17, 1, '2023-08-07'),

    (18, 2, '2023-08-08'),

    (19, 5, '2023-08-08'),

    (20, 4, '2023-08-09');


-- Insert data into PurchaseItem table

INSERT INTO PurchaseItem (PurchaseItemID, PurchaseID, BookID, Quantity, UnitPrice)

VALUES

    (1, 1, 12, 50, 10.99),

    (2, 1, 16, 30, 15.50),

    (3, 2, 18, 20, 12.75),

    (4, 2, 13, 40, 14.95),
```

```sql
    (5, 3, 15, 25, 18.25),
    (6, 3, 19, 35, 11.80),
    (7, 4, 11, 10, 20.99),
    (8, 4, 1, 15, 17.50),
    (9, 5, 7, 50, 8.99),
    (10, 5, 21, 30, 9.95),
    (11, 6, 22, 20, 18.99),
    (12, 6, 23, 15, 22.50),
    (13, 7, 27, 30, 11.99),
    (14, 19, 54, 25, 14.75),
    (15, 8, 62, 40, 12.80),
    (16, 8, 66, 20, 16.95),
    (17, 9, 57, 50, 9.50),
    (18, 9, 69, 35, 13.25),
    (19, 10, 65, 10, 23.99),
    (20, 10, 39, 15, 19.95),
    (21, 11, 41, 25, 20.50),
    (22, 11, 32, 30, 15.99),
    (23, 12, 16, 20, 17.75),
    (24, 12, 17, 15, 12.80),
    (25, 13, 18, 30, 9.99),
    (26, 13, 59, 25, 14.25),
    (27, 14, 5, 35, 8.50),
    (28, 14, 71, 40, 18.95),
    (29, 15, 6, 10, 24.99),
    (30, 15, 7, 20, 19.50);



    INSERT INTO BookCategories (GenreID, CategoryName)
VALUES
    (1, 'Fiction'),
    (2, 'Science Fiction'),
    (3, 'Mystery'),
    (4, 'Romance'),
    (5, 'Fantasy'),
```

```
(6, 'Children Literature'),

(7, 'Literary Fiction'),

(8, 'Young Adult'),

(9, 'Biography'),

(10, 'History'),

(11, 'Thriller'),

(12, 'Graphical Novel'),

(13, 'Cyberpunk'),

(14, 'Classic'),

(15, 'Horror'),

(16, 'Self Help'),

(17,'Magical Realism');
```

DATABASE REPORT (Queries):

```
----------------------------------------------------------------------------------------
----------------------------------------------------------------------------------------
---------------------- D A T A B A S E    Q U E R I E S ----------------------------
----------------------------------------------------------------------------------------
```

1. Show BOOK INFO + BOOK CATEGORY:

```
CREATE PROCEDURE BOOK_DATA

AS

BEGIN


SELECT
BookInfo.BookID,BookInfo.Title,BookInfo.Price,BookInfo.ISBN,BookInfo.PublicationYear,B
ookInfo.QuantityInStock,

Author.AuthorName,Publisher.PublisherName,BookCategories.CategoryName  FROM BookInfo
inner join BookCategories

ON BookInfo.GenreID=BookCategories.GenreID inner join Author ON
Author.AuthorID=BookInfo.AuthorID inner join Publisher ON

Publisher.PublisherID=BookInfo.PublisherID;


END;
```

```
exec BOOK_DATA
```

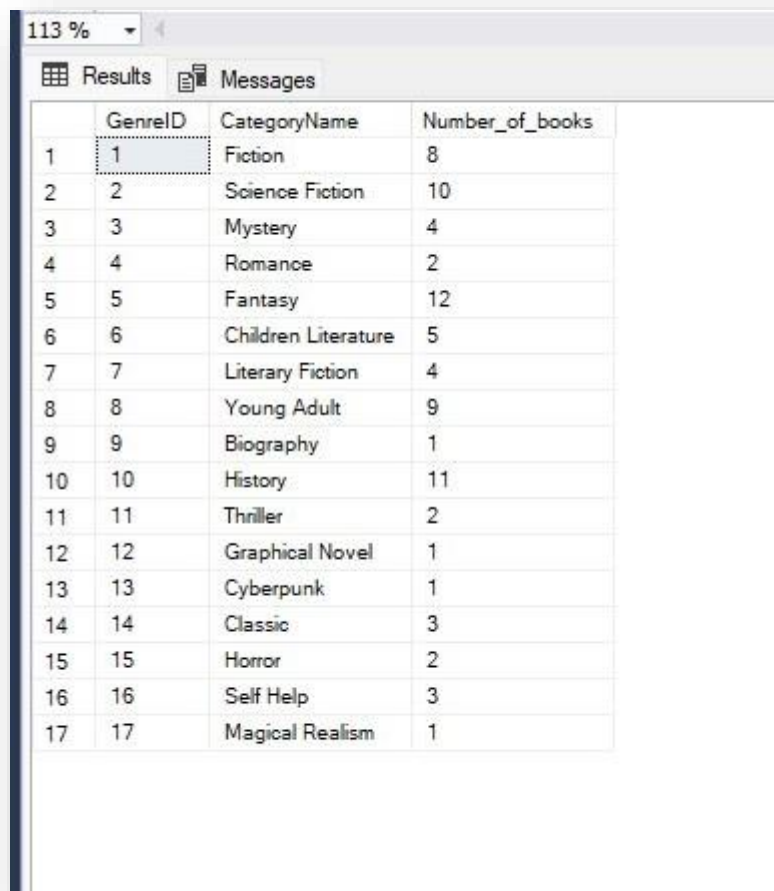|	BookID	Title	Price	ISBN	PublicationYear	QuantityInStock	AuthorName	PublisherName	CategoryName
1	1	The Secret Garden	12.99	9780143106454	1911	100	John Smith	Penguin Books	Children Literature
2	2	To Kill a Mockingbird	15.50	9780061120084	1960	75	Jane Doe	HarperCollins	Fiction
3	3	Becoming	22.95	9781524763138	2018	50	Michael Johnson	Random House	Biography
4	4	Harry Potter and the Sorcerers Stone	19.99	9780590353427	1997	120	Emily White	Oxford University Press	Fantasy
5	5	Dune	18.75	9780441013593	1965	54	Robert Lee	Simon & Schuster	Science Fiction
6	6	Gone Girl	16.99	9780307588371	2012	90	Jennifer Brown	Hachette Book Group	Mystery
7	7	Sapiens: A Brief History of Humankind	21.95	9780062316097	2014	40	William Turner	Macmillan Publishers	History
8	8	The Notebook	14.50	9780552155754	1996	85	Elizabeth Green	Penguin Random House	Romance
9	9	A Little Life	15.99	9780804172707	2015	70	Christopher Adams	St. Martins Press	Literary Fiction
10	10	The Hunger Games	13.75	9780439023481	2008	108	Sarah Adams	Scholastic Corporation	Young Adult
11	11	1984	12.99	9780451524935	1949	65	Emily White	Penguin Books	Science Fiction
12	12	The Great Gatsby	15.95	9780743273565	1925	75	Robert Lee	HarperCollins	Fiction
13	13	The Catcher in the Rye	13.25	9780316769488	1951	70	John Smith	Random House	Literary Fiction
14	14	The Da Vinci Code	19.50	9780385504201	2003	60	Jane Doe	Oxford University Press	Thriller
15	15	Pride and Prejudice	11.99	9780141439518	1813	90	Michael Johnson	Simon & Schuster	Romance
16	16	The Alchemist	14.95	9780061122415	1988	85	Robert Lee	Hachette Book Group	Fiction
17	17	The Girl with the Dragon Tattoo	16.25	9780307454546	2005	65	William Turner	Macmillan Publishers	Mystery
18	18	The Lord of the Rings	22.50	9780618640157	1954	50	Daniel Black	Penguin Random House	Fantasy
19	19	The Chronicles of Narnia	19.99	9780064404990	1950	75	Elizabeth Green	Cambridge University Press	Children Literature
20	20	Brave New World	12.50	9780060850524	1932	60	Sarah Adams	Scholastic Corporation	Science Fiction
21	21	The Night Circus	17.50	9780385634635	2011	80	David Roberts	Houghton Mifflin Harcourt	Fantasy
22	22	Sapiens: A Graphic History	24.95	9780063051320	2021	75	William Turner	Bloomsbury Publishing	Graphical Novel
23	23	Outlander	16.75	9780440242949	1991	70	Mary Turner	Hodder & Stoughton	History
24	24	Neuromancer	14.99	9780441569595	1984	60	Daniel Black	Viking Press	Cyberpunk
25	25	Caraval	13.25	9781250095251	2017	95	Sarah Adams	Harperteen	Young Adult
26	26	The Handmaids Tale	14.50	9780385490818	1985	85	John Smith	Penguin Books	Science Fiction
27	27	The Hobbit	12.99	9780547928227	1937	75	Daniel Black	HarperCollins	Fantasy
28	28	To All the Boys I have Loved Before	13.99	9781442426719	2014	100	Elizabeth Green	Random House	Young Adult
29	29	Jurassic Park	15.95	9780345370778	1990	60	Robert Lee	Oxford University Press	Science Fiction
30	30	Little Women	11.25	9780143106485	1868	80	Michael Johnson	Simon & Schuster	Classic
31	31	A Game of Thrones	18.50	9780553103540	1996	70	Emily White	Hachette Book Group	Fantasy
32	32	The Silent Patient	16.99	9781250301697	2019	90	Jennifer Brown	Macmillan Publishers	Mystery
33	33	The Name of the Wind	19.25	9780756404741	2007	50	William Turner	Penguin Random House	Fantasy
34	34	Alices Adventures in Wonderland	10.99	9781503250210	1865	120	David Roberts	Cambridge University Press	Children Literature
35	35	The Shining	14.50	9780307743657	1977	65	Sophie Green	Scholastic Corporation	Horror
36	36	Gone with the Wind	15.99	9781451635621	1936	70	Andrew Black	Houghton Mifflin Harcourt	History
37	37	The Power of One	16.75	9780345410054	1989	50	Emma Adams	Bloomsbury Publishing	History
38	38	The Subtle Art of Not Giving a F*ck	13.95	9780062457714	2016	100	David Roberts	Hodder & Stoughton	Self Help
39	39	The Maze Runner	12.25	9780385737951	2009	75	Mary Turner	Viking Press	Young Adult
40	40	The Nightingale	15.95	9780312577223	2015	80	Ella Adams	Simon & Schuster	History
41	41	The Fault in Our Stars	13.99	9780525478812	2012	85	Sarah Roberts	Random House Childrens...	Young Adult
42	42	Educated	18.50	9780399590504	2018	65	Richard Turner	Hachette Childrens Group	Science Fiction
43	43	The Girl on the Train	14.75	9781594633669	2015	70	Olivia Green	Alfred A. Knopf	Thriller
44	44	The Fellowship of the Ring	21.99	9780618346257	1954	55	Matthew Black	Vintage Books	Fantasy
45	45	A Wrinkle in Time	12.25	9780312367541	1962	90	Sophia Adams	Scholastic Press	Science Fiction
46	46	The Lion, the Witch, and the Wardro...	19.99	9780064404990	1950	70	Elizabeth Green	Penguin Books	Children Literature
47	47	The Silence of the Girls	15.50	9780525522294	2018	60	Daniel Black	HarperCollins	History
48	48	The Hate U Give	14.95	9780062498533	2017	80	Sarah Adams	Random House	Young Adult
49	49	The Stand	17.25	9780307743688	1978	75	Sophie Green	Oxford University Press	Horror
50	50	The Subtle Knife	16.99	9780375842382	1997	65	David Roberts	Simon & Schuster	Fantasy
51	51	The Road	13.50	9780307387899	2006	85	Robert Lee	Hachette Book Group	Fantasy
52	52	One Hundred Years of Solitude	15.99	9780060883287	1967	70	Andrew Black	Macmillan Publishers	Magical Realism
53	53	The Priory of the Orange Tree	23.99	9781635570298	2019	50	Matthew Black	Houghton Mifflin Harcourt	Fantasy
54	54	The Hitchhikers Guide to the Galaxy	11.99	9780345391803	1979	80	Emily White	Hodder & Stoughton	Science Fiction
55	55	The Martian	14.50	9780553418026	2011	70	Matthew Black	Viking Press	Science Fiction
56	56	The Picture of Dorian Gray	11.25	9780486278070	1890	90	Emma Adams	Random House Childrens...	Classic
57	57	The Giver	12.99	9780544340688	1993	75	Sophia Adams	Hachette Childrens Group	Young Adult
58	58	A Clash of Kings	18.50	9780553108030	1999	70	Emily White	Alfred A. Knopf	Fantasy
59	59	Harry Potter and the Prisoner of Azk...	19.99	9780439136365	1999	85	Michael Johnson	Scholastic Press	Fantasy
60	60	The Immortal Life of Henrietta Lacks	13.50	9781400052189	2010	50	Richard Turner	Penguin Books	Young Adult
61	61	The Outsiders	10.99	9780142407332	1967	90	Sarah Roberts	HarperCollins	Young Adult
62	62	The Book Thief	17.25	9780375842207	2005	70	Daniel Black	Simon & Schuster	History
63	63	The Kite Runner	14.75	9781594631931	2003	75	Jennifer Brown	Hachette Book Group	Fiction
64	64	Nineteen Eighty-Four	12.99	9780451524935	1949	65	Emily White	Macmillan Publishers	Science Fiction
65	65	The Goldfinch	16.99	9780316055444	2013	80	Olivia Green	HarperCollins Publishers	Literary Fiction
66	66	The Adventures of Huckleberry Finn	11.99	9780143107321	1885	90	Sarah Roberts	Vintage Childrens 14s	Classic
67	67	The Road Less Traveled	13.50	9780671250676	1978	70	Matthew Black	Knopf Doubleday	Self Help
68	68	The Great Alone	15.95	9780312577230	2018	75	Laura Turner	Penguin 14s	History
69	69	The Help	12.25	9780425232200	2009	80	John Smith	Penguin Books	History
70	70	The Underground Railroad	16.99	9780385542364	2016	75	Thomas Roberts	Knopf Doubleday	History
71	71	The Magicians Nephew	19.99	9780064405027	1955	85	Michael Johnson	Simon & Schuster	Children Literature
72	72	Where the Crawdads Sing	15.95	9780735219090	2018	95	Ella Adams	Penguin Random House	Fiction
73	73	The Sun Also Rises	12.50	9780743297332	1926	85	Michael Green	HarperCollins Publishers	Literary Fiction
74	74	The Power of Habit	13.95	9780812981605	2012	65	Emma Adams	Houghton Mifflin Harcourt	Self Help
75	75	A Man Called Ove	13.25	9781476738024	2012	70	John Smith	Vintage Childrens 14s	Fiction
76	76	The Shadow of the Wind	14.75	9780143034902	2004	75	Grace Roberts	Hodder & Stoughton	Mystery
77	77	The Secret Life of Bees	13.25	9780143114559	2001	80	Laura Turner	Viking Press	History
78	78	Eleanor Oliphant Is Completely Fine	14.95	9780735220690	2017	75	Oliver Adams	Alfred A. Knopf	Fiction
79	79	Little Fires Everywhere	15.99	9780735224292	2017	80	Grace Roberts	Scholastic Press	Fiction

2. SHOW BOOK CATEGORIES AND AMOUNT Per BOOK IN EACH CATEGORY:

```
CREATE PROCEDURE Category_book_count

AS

BEGIN

SELECT BookCategories.GenreID,BookCategories.CategoryName,count(BookInfo.GenreID) AS
Number_of_books FROM BookCategories LEFT JOIN

BookInfo ON BookCategories.GenreID=BookInfo.GenreID GROUP BY
BookCategories.GenreID,BookCategories.CategoryName;

END;


exec Category_book_count
```

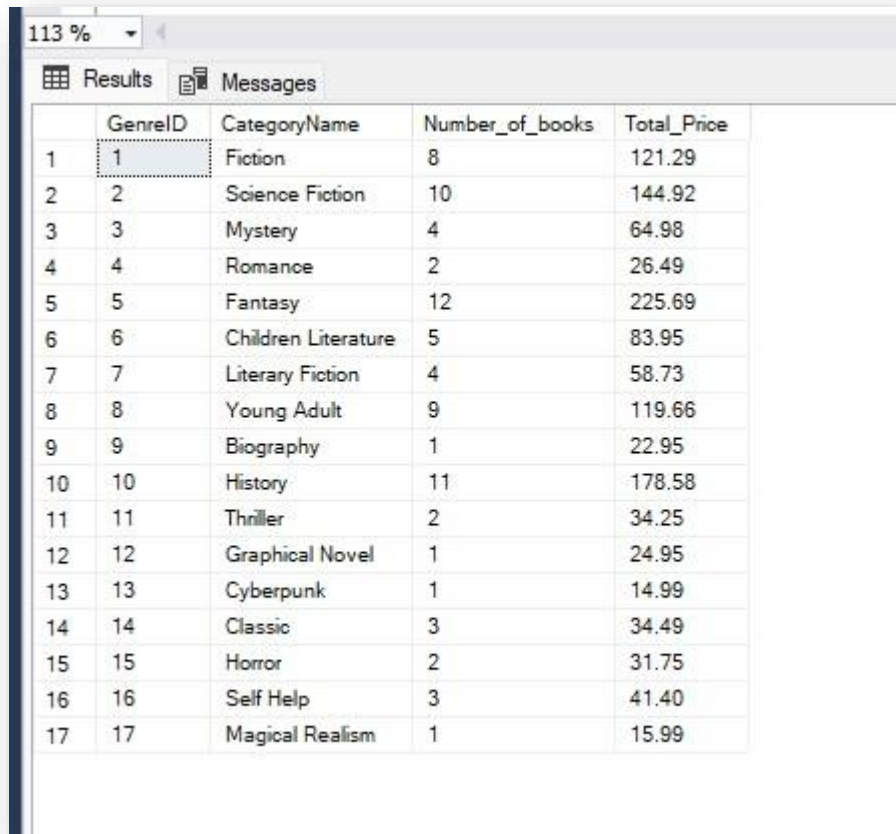|	GenreID	CategoryName	Number_of_books
1	1	Fiction	8
2	2	Science Fiction	10
3	3	Mystery	4
4	4	Romance	2
5	5	Fantasy	12
6	6	Children Literature	5
7	7	Literary Fiction	4
8	8	Young Adult	9
9	9	Biography	1
10	10	History	11
11	11	Thriller	2
12	12	Graphical Novel	1
13	13	Cyberpunk	1
14	14	Classic	3
15	15	Horror	2
16	16	Self Help	3
17	17	Magical Realism	1

3. SHOW BOOK CATEGORY AND AMOUNT PER BOOK IN EACH CATEGORY with total price of each category:

```
SELECT BookCategories.GenreID,BookCategories.CategoryName,count(BookInfo.GenreID) AS
Number_of_books,SUM(BookInfo.Price) AS Total_Price

 FROM BookCategories LEFT JOIN

BookInfo ON BookCategories.GenreID=BookInfo.GenreID GROUP BY
BookCategories.GenreID,BookCategories.CategoryName;
```

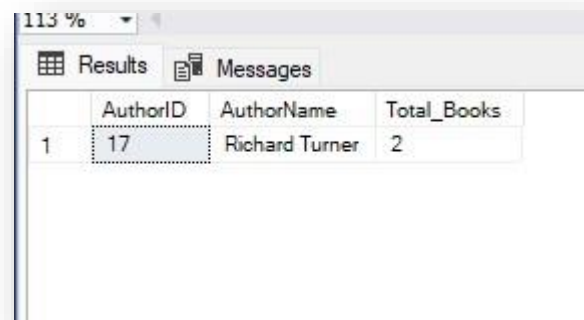|	GenreID	CategoryName	Number_of_books	Total_Price
1	1	Fiction	8	121.29
2	2	Science Fiction	10	144.92
3	3	Mystery	4	64.98
4	4	Romance	2	26.49
5	5	Fantasy	12	225.69
6	6	Children Literature	5	83.95
7	7	Literary Fiction	4	58.73
8	8	Young Adult	9	119.66
9	9	Biography	1	22.95
10	10	History	11	178.58
11	11	Thriller	2	34.25
12	12	Graphical Novel	1	24.95
13	13	Cyberpunk	1	14.99
14	14	Classic	3	34.49
15	15	Horror	2	31.75
16	16	Self Help	3	41.40
17	17	Magical Realism	1	15.99

4. Show Total Number of books of Author:

```
CREATE PROCEDURE Author_books @name VARCHAR(30)

AS

BEGIN

SELECT Author.AuthorID,Author.AuthorName,count(BookInfo.BookID) AS Total_Books FROM
Author inner JOIN BookInfo

ON Author.AuthorID=BookInfo.AuthorID GROUP BY Author.AuthorID,Author.AuthorName having
Author.AuthorName=@name;

END;


exec Author_books 'Richard Turner'
```

	AuthorID	AuthorName	Total_Books
1	17	Richard Turner	2

5. Counts book having same author and publisher:

```
SELECT Author.AuthorName,Publisher.PublisherName, COUNT(BookInfo.BookID) AS TOTAL from
BookInfo inner join Author on

BookInfo.AuthorID=Author.AuthorID inner join Publisher on
BookInfo.PublisherID=Publisher.PublisherID GROUP BY

Author.AuthorName,Publisher.PublisherName;
```

113 %

Results Messages

	AuthorName	PublisherName	TOTAL
1	Emily White	Alfred A. Knopf	1
2	Oliver Adams	Alfred A. Knopf	1
3	Olivia Green	Alfred A. Knopf	1
4	Emma Adams	Bloomsbury Publishing	1
5	William Turner	Bloomsbury Publishing	1
6	David Roberts	Cambridge University Press	1
7	Elizabeth Green	Cambridge University Press	1
8	Emily White	Hachette Book Group	1
9	Jennifer Brown	Hachette Book Group	2
10	Robert Lee	Hachette Book Group	2
11	Richard Turner	Hachette Childrens Group	1
12	Sophia Adams	Hachette Childrens Group	1
13	Daniel Black	HarperCollins	2
14	Jane Doe	HarperCollins	1
15	Robert Lee	HarperCollins	1
16	Sarah Roberts	HarperCollins	1
17	Michael Green	HarperCollins Publishers	1
18	Olivia Green	HarperCollins Publishers	1
19	Sarah Adams	Harperteen	1
20	David Roberts	Hodder & Stoughton	1
21	Emily White	Hodder & Stoughton	1
22	Grace Roberts	Hodder & Stoughton	1
23	Mary Turner	Hodder & Stoughton	1
24	Andrew Black	Houghton Mifflin Harcourt	1
25	David Roberts	Houghton Mifflin Harcourt	1
26	Emma Adams	Houghton Mifflin Harcourt	1
27	Matthew Black	Houghton Mifflin Harcourt	1
28	Matthew Black	Knopf Doubleday	1
29	Thomas Roberts	Knopf Doubleday	1
30	Andrew Black	Macmillan Publishers	1
31	Emily White	Macmillan Publishers	1
32	Jennifer Brown	Macmillan Publishers	1
33	William Turner	Macmillan Publishers	2
34	Emily White	Oxford University Press	1
35	Jane Doe	Oxford University Press	1
36	Robert Lee	Oxford University Press	1
37	Sophie Green	Oxford University Press	1
38	Laura Turner	Penguin 14s	1
39	Elizabeth Green	Penguin Books	1
40	Emily White	Penguin Books	1
41	John Smith	Penguin Books	3

42	Richard Turner	Penguin Books	1
43	Daniel Black	Penguin Random House	1
44	Elizabeth Green	Penguin Random House	1
45	Ella Adams	Penguin Random House	1
46	William Turner	Penguin Random House	1
47	Elizabeth Green	Random House	1
48	John Smith	Random House	1
49	Michael Johns...	Random House	1
50	Sarah Adams	Random House	1
51	Emma Adams	Random House Childrens...	1
52	Sarah Roberts	Random House Childrens...	1
53	Sarah Adams	Scholastic Corporation	2
54	Sophie Green	Scholastic Corporation	1
55	Grace Roberts	Scholastic Press	1
56	Michael Johns...	Scholastic Press	1
57	Sophia Adams	Scholastic Press	1
58	Daniel Black	Simon & Schuster	1
59	David Roberts	Simon & Schuster	1
60	Ella Adams	Simon & Schuster	1
61	Michael Johns...	Simon & Schuster	3
62	Robert Lee	Simon & Schuster	1
63	Christopher A...	St. Martins Press	1
64	Daniel Black	Viking Press	1
65	Laura Turner	Viking Press	1
66	Mary Turner	Viking Press	1
67	Matthew Black	Viking Press	1
68	Matthew Black	Vintage Books	1
69	John Smith	Vintage Childrens 14s	1
70	Sarah Roberts	Vintage Childrens 14s	1

Query executed successfully.

6. Show Total Number of books of Publisher:

```
CREATE PROCEDURE Publisher_books @name VARCHAR(30)

AS

BEGIN

SELECT Publisher.PublisherID,Publisher.PublisherName,count(BookInfo.BookID) AS
Total_Books FROM Publisher inner JOIN BookInfo
```
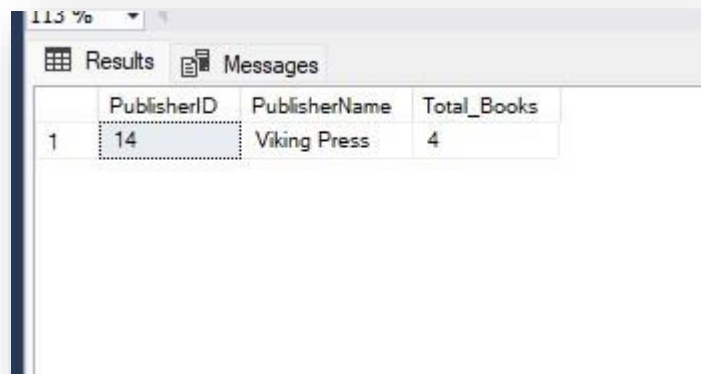
```
ON Publisher.PublisherID=BookInfo.PublisherID GROUP BY
Publisher.PublisherID,Publisher.PublisherName having Publisher.PublisherName=@name;

END;


exec Publisher_books 'Viking Press'
```
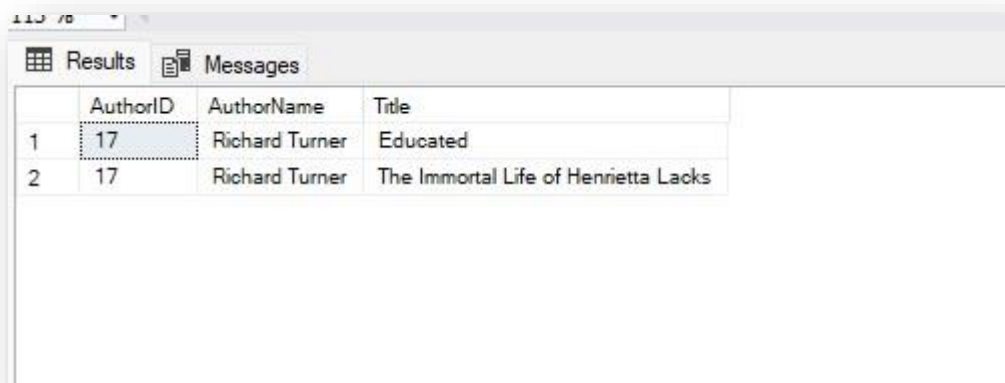

7. Display Number of books of Author:

```
CREATE PROCEDURE Author_books_name @name VARCHAR(30)

AS

BEGIN

SELECT Author.AuthorID,Author.AuthorName,BookInfo.Title  FROM Author inner JOIN
BookInfo

ON Author.AuthorID=BookInfo.AuthorID  where Author.AuthorName=@name;

END;


exec Author_books_name 'Richard Turner'
```

8. Show Total Number of books of Publisher:

```sql
CREATE PROCEDURE Publisher_books_name @name VARCHAR(30)

AS

BEGIN

SELECT Publisher.PublisherID,Publisher.PublisherName,BookInfo.Title FROM Publisher
inner JOIN BookInfo

ON Publisher.PublisherID=BookInfo.PublisherID where Publisher.PublisherName=@name;

END;


exec Publisher_books_name 'Viking Press'
```
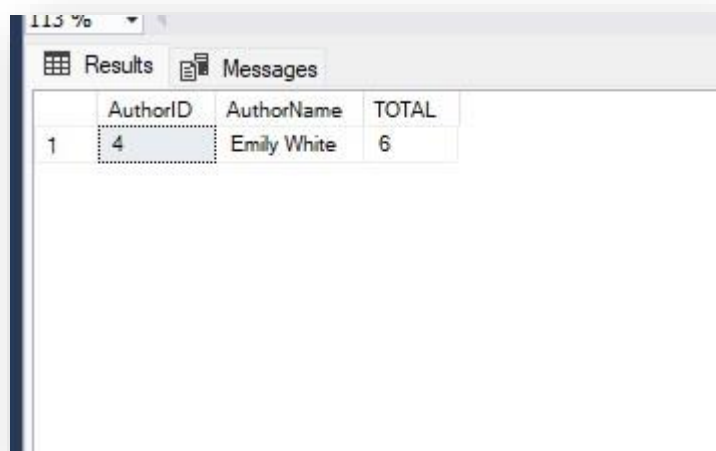
	PublisherID	PublisherName	Title
1	14	Viking Press	Neuromancer
2	14	Viking Press	The Maze Runner
3	14	Viking Press	The Martian
4	14	Viking Press	The Secret Life of Bees

9. Display Author Name Having most Book in the Book Shop:

```sql
Select Top 1 Author.AuthorID,Author.AuthorName,count(BookInfo.BookID) AS TOTAL from
Author inner join BookInfo

on Author.AuthorID=BookInfo.AuthorID GROUP BY Author.AuthorID,Author.AuthorName Order
by TOTAL DESC;
```
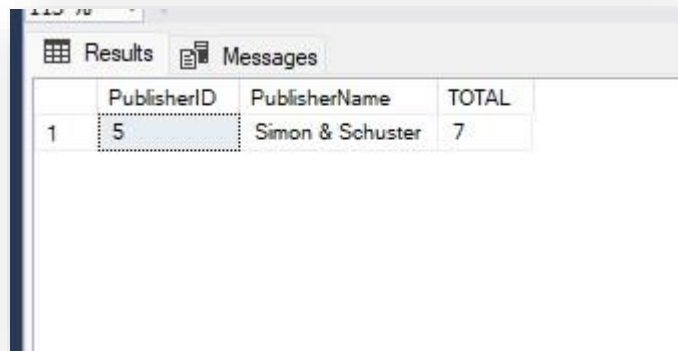
	AuthorID	AuthorName	TOTAL
1	4	Emily White	6

10.Publisher Name Having most Book in the Book Shop:

```
Select Top 1 Publisher.PublisherID,Publisher.PublisherName,count(BookInfo.BookID) AS
TOTAL from Publisher inner join BookInfo

on Publisher.PublisherID=BookInfo.PublisherID GROUP BY
Publisher.PublisherID,Publisher.PublisherName Order by TOTAL DESC;
```
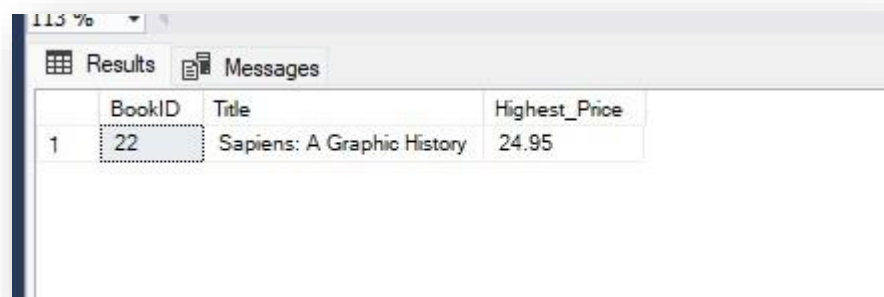
	PublisherID	PublisherName	TOTAL
1	5	Simon & Schuster	7

11.Show Book Name having highest Price:

```
SELECT TOP 1 BookInfo.BookID,BookInfo.Title,max(BookInfo.Price) as Highest_Price from
BookInfo GROUP BY

BookInfo.BookID,BookInfo.Title ORDER BY Highest_Price DESC;
```
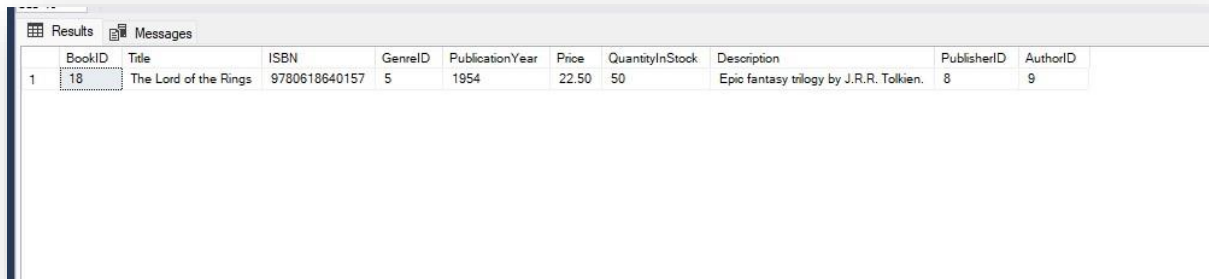
	BookID	Title	Highest_Price
1	22	Sapiens: A Graphic History	24.95

12.Search Book in the book shop database by using book name:

```
CREATE PROCEDURE Search_Book @book_name VARCHAR(30)

AS

BEGIN


SELECT *from BookInfo where Title=@book_name

END;
```

```
exec Search_Book 'The Lord of the Rings'
```
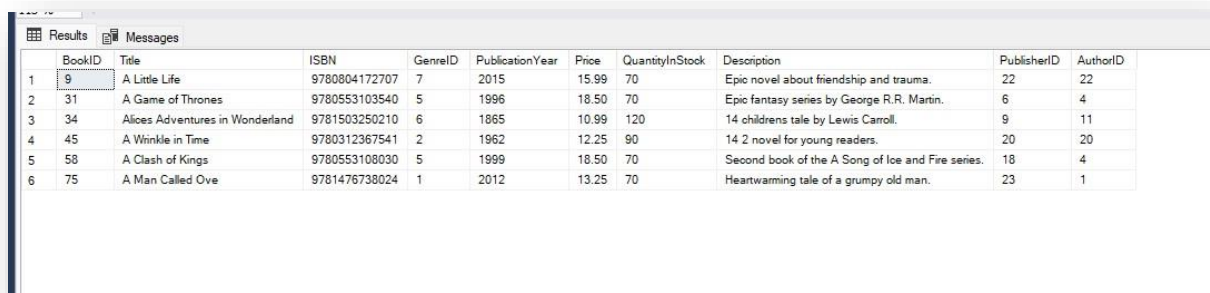

13. Search book but You didn't know name (By Using any Wildcard Mask)

```
CREATE PROCEDURE unknown_book @name VARCHAR(30)

AS

BEGIN

Select *from BookInfo where BookInfo.Title LIKE @name;

END;



exec unknown_book 'A%';
```


14. Search book by Price Range:

```
CREATE PROCEDURE price_range_book @first DECIMAL(10,2), @second DECIMAL(10,2)

AS

BEGIN

SELECT *from BookInfo where Price between @first and @second;

END;
```

```
exec price_range_book @first=10 ,@second=15
```

	BookID	Title	ISBN	GenreID	PublicationYear	Price	QuantityInStock	Description	PublisherID	AuthorID
1	1	The Secret Garden	9780143106454	6	1911	12.99	100	14 childrens novel about a hidden garden.	1	1
2	8	The Notebook	9780552155754	4	1996	14.50	85	A tale of love and devotion.	8	8
3	10	The Hunger Games	9780439023481	8	2008	13.75	108	Dystopian adventure where teenagers fight to the...	10	10
4	11	1984	9780451524935	2	1949	12.99	65	14 dystopian novel by George Orwell.	1	4
5	13	The Catcher in the Rye	9780316769488	7	1951	13.25	70	Coming-of-age novel by J.D. Salinger.	3	1
6	15	Pride and Prejudice	9780141439518	4	1813	11.99	90	14 romance novel by Jane Austen.	5	3
7	16	The Alchemist	9780061122415	1	1988	14.95	85	Philosophical tale about a journey of self-discovery.	6	5
8	20	Brave New World	9780060850524	2	1932	12.50	60	Dystopian novel by Aldous Huxley.	10	10
9	24	Neuromancer	9780441569595	13	1984	14.99	60	Influential novel that coined the term "cyberspace".	14	9
10	25	Caraval	9781250095251	8	2017	13.25	95	Fantasy game with a magical carnival setting.	15	10
11	26	The Handmaids Tale	9780385490818	2	1985	14.50	85	Dystopian novel by Margaret Atwood.	1	1
12	27	The Hobbit	9780547928227	5	1937	12.99	75	Fantasy adventure novel by J.R.R. Tolkien.	2	9
13	28	To All the Boys I have Loved Before	9781442426719	8	2014	13.99	100	Contemporary romance with a series of love letters.	3	8
14	30	Little Women	9780143106485	14	1868	11.25	80	14 novel following the lives of four sisters.	5	3
15	34	Alices Adventures in Wonderland	9781503250210	6	1865	10.99	120	14 childrens tale by Lewis Carroll.	9	11
16	35	The Shining	9780307743657	15	1977	14.50	65	Psychological horror novel by Stephen King.	10	13
17	38	The Subtle Art of Not Giving a F*ck	9780062457714	16	2016	13.95	100	Personal development book by Mark Manson.	13	11
18	39	The Maze Runner	9780385737951	8	2009	12.25	75	Dystopian adventure with a deadly maze.	14	12
19	41	The Fault in Our Stars	9780525478812	8	2012	13.99	85	Heartrending tale of young love and cancer.	16	16
20	43	The Girl on the Train	9781594633669	11	2015	14.75	70	Mystery thriller with an unreliable narrator.	18	18
21	45	A Wrinkle in Time	9780312367541	2	1962	12.25	90	14 2 novel for young readers.	20	20
22	48	The Hate U Give	9780062498533	8	2017	14.95	80	Powerful novel addressing police violence and race.	3	10
23	51	The Road	9780307387899	5	2006	13.50	85	Post-apocalyptic novel about a father and sons jo...	6	5
24	54	The Hitchhikers Guide to the Galaxy	9780345391803	2	1979	11.99	80	14 humorous sci-fi novel by Douglas Adams.	13	4
25	55	The Martian	9780553418026	2	2011	14.50	70	Survival story of an astronaut stranded on Mars.	14	19
26	56	The Picture of Dorian Gray	9780486278070	14	1890	11.25	90	14 novel about the pursuit of pleasure and beauty.	16	15
27	57	The Giver	9780544340688	8	1993	12.99	75	Dystopian novel about a controlled society.	17	20
28	60	The Immortal Life of Henrietta Lacks	9781400052189	8	2010	13.50	50	Biography of the woman behind HeLa cells.	1	17
29	61	The Outsiders	9780142407332	8	1967	10.99	90	14 coming-of-age novel by S.E. Hinton.	2	16
30	63	The Kite Runner	9781594631931	1	2003	14.75	75	Novel about friendship and redemption in Afghani...	6	6
31	64	Nineteen Eighty-Four	9780451524935	2	1949	12.99	65	14 dystopian novel by George Orwell.	7	4
32	66	The Adventures of Huckleberry Finn	9780143107321	14	1885	11.99	90	14 novel by Mark Twain.	23	16
33	67	The Road Less Traveled	9780671250676	16	1978	13.50	70	14 self-help book by M. Scott Peck.	24	19
34	69	The Help	9780425232200	10	2009	12.25	80	Novel about African American maids in the 1960s.	1	1
35	73	The Sun Also Rises	9780743297332	7	1926	12.50	85	14 novel by Ernest Hemingway.	21	24
36	74	The Power of Habit	9780812981605	16	2012	13.95	65	Exploration of the science of habits and human be...	11	15
37	75	A Man Called Ove	9781476738024	1	2012	13.25	70	Heartwarming tale of a grumpy old man.	23	1
38	76	The Shadow of the Wind	9780143034902	3	2004	14.75	75	Mystery set in post-war Barcelona.	13	23
39	77	The Secret Life of Bees	9780143114559	10	2001	13.25	80	Coming-of-age novel set in the 1960s.	14	21
40	78	Eleanor Oliphant Is Completely Fine	9780735220690	1	2017	14.95	75	Novel about the life of an eccentric woman.	18	28

15. Display Book Having PublicationYear:

```
CREATE PROCEDURE book_year @year INT

AS

BEGIN

SELECT *from BookInfo where PublicationYear in(@year);

END;



exec book_year 2015
```
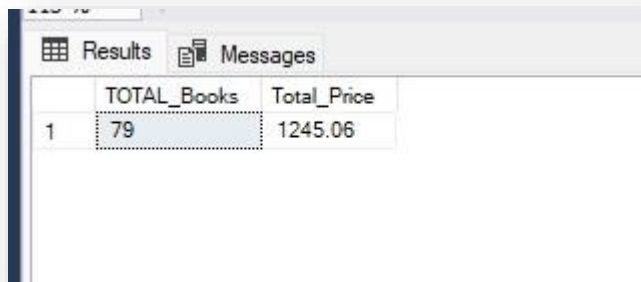
113 %

	BookID	Title	ISBN	GenreID	PublicationYear	Price	QuantityInStock	Description	PublisherID	AuthorID
1	9	A Little Life	9780804172707	7	2015	15.99	70	Epic novel about friendship and trauma.	22	22
2	40	The Nightingale	9780312577223	10	2015	15.95	80	Tale of two sisters during World War II.	5	25
3	43	The Girl on the Train	9781594633669	11	2015	14.75	70	Mystery thriller with an unreliable narrator.	18	18

16. Calculate Total Price and Total Number of Books

```
CREATE PROCEDURE find_book_total

AS

BEGIN

SELECT COUNT(BookInfo.BookID) AS TOTAL_Books,SUM(BookInfo.Price) AS Total_Price from
BookInfo;

END;


exec find_book_total
```
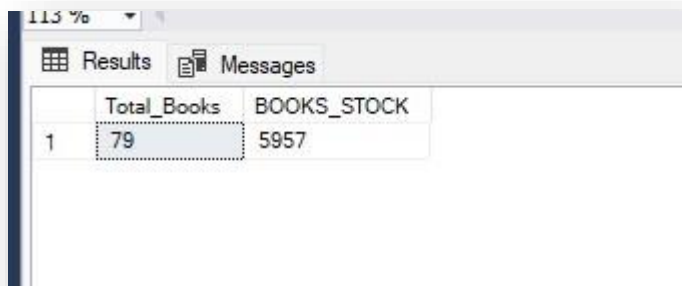
	TOTAL_Books	Total_Price
1	79	1245.06

17. Calculate Total Stock Quantity in book Shop:

```
SELECT COUNT(BookInfo.BookID) AS Total_Books, SUM(BookInfo.QuantityInStock) AS
BOOKS_STOCK from BookInfo;
```

	Total_Books	BOOKS_STOCK
1	79	5957

18. Calculate Total Price of all Books in the Shop:

```
SELECT COUNT(BookInfo.BookID) AS Total_Books, SUM(BookInfo.QuantityInStock) AS

BOOKS_STOCK,SUM(BookInfo.QuantityInStock*BookInfo.Price) AS TOTAL_PRICE from BookInfo;
```

19.Category Wise stock of books and total price:

```
CREATE PROCEDURE BOOK_CATEGORY_STOCK @name VARCHAR(30)

AS

BEGIN

SELECT
BookCategories.GenreID,BookCategories.CategoryName,SUM(BookInfo.QuantityInStock) AS
BOOKS_STOCK ,

SUM(BookInfo.QuantityInStock*BookInfo.Price) AS TOTAL_PRICE from BookCategories left
join BookInfo ON

BookCategories.GenreID=BookInfo.GenreID GROUP BY
BookCategories.GenreID,BookCategories.CategoryName having
BookCategories.CategoryName=@name;

END;


EXEC BOOK_CATEGORY_STOCK 'Classic'
```


20.SHOW ALL BOOKS INFO ALONG Author and Publisher Name.

```
SELECT
BookInfo.BookID,BookInfo.Title,BookInfo.ISBN,BookInfo.PublicationYear,BookInfo.Quantit
yInStock,Author.AuthorName,Publisher.PublisherName from BookInfo inner join

Author on BookInfo.AuthorID=Author.AuthorID inner join Publisher ON
BookInfo.PublisherID=Publisher.PublisherID;
```

	BookID	Title	ISBN	PublicationYear	QuantityInStock	AuthorName	PublisherName
1	1	The Secret Garden	9780143106454	1911	100	John Smith	Penguin Books
2	2	To Kill a Mockingbird	9780061120084	1960	75	Jane Doe	HarperCollins
3	3	Becoming	9781524763138	2018	50	Michael Johnson	Random House
4	4	Harry Potter and the Sorcerers Stone	9780590353427	1997	120	Emily White	Oxford University Press
5	5	Dune	9780441013593	1965	54	Robert Lee	Simon & Schuster
6	6	Gone Girl	9780307588371	2012	90	Jennifer Brown	Hachette Book Group
7	7	Sapiens: A Brief History of Humankind	9780062316097	2014	40	William Turner	Macmillan Publishers
8	8	The Notebook	9780552155754	1996	85	Elizabeth Green	Penguin Random House
9	9	A Little Life	9780804172707	2015	70	Christopher Adams	St. Martins Press
10	10	The Hunger Games	9780439023481	2008	108	Sarah Adams	Scholastic Corporation
11	11	1984	9780451524935	1949	65	Emily White	Penguin Books
12	12	The Great Gatsby	9780743273565	1925	75	Robert Lee	HarperCollins
13	13	The Catcher in the Rye	9780316769488	1951	70	John Smith	Random House
14	14	The Da Vinci Code	9780385504201	2003	60	Jane Doe	Oxford University Press
15	15	Pride and Prejudice	9780141439518	1813	90	Michael Johnson	Simon & Schuster
16	16	The Alchemist	9780061122415	1988	85	Robert Lee	Hachette Book Group
17	17	The Girl with the Dragon Tattoo	9780307454546	2005	65	William Turner	Macmillan Publishers
18	18	The Lord of the Rings	9780618640157	1954	50	Daniel Black	Penguin Random House
19	19	The Chronicles of Narnia	9780064404990	1950	75	Elizabeth Green	Cambridge University ...
20	20	Brave New World	9780060850524	1932	60	Sarah Adams	Scholastic Corporation
21	21	The Night Circus	9780385534635	2011	80	David Roberts	Houghton Mifflin Harco...
22	22	Sapiens: A Graphic History	9780063051320	2021	75	William Turner	Bloomsbury Publishing
23	23	Outlander	9780440242949	1991	70	Mary Turner	Hodder & Stoughton
24	24	Neuromancer	9780441569595	1984	60	Daniel Black	Viking Press
25	25	Caraval	9781250095251	2017	95	Sarah Adams	Harperteen
26	26	The Handmaids Tale	9780385490818	1985	85	John Smith	Penguin Books
27	27	The Hobbit	9780547928227	1937	75	Daniel Black	HarperCollins
28	28	To All the Boys I have Loved Before	9781442426719	2014	100	Elizabeth Green	Random House
29	29	Jurassic Park	9780345370778	1990	60	Robert Lee	Oxford University Press
30	30	Little Women	9780143106485	1868	80	Michael Johnson	Simon & Schuster
31	31	A Game of Thrones	9780553103540	1996	70	Emily White	Hachette Book Group
32	32	The Silent Patient	9781250301697	2019	90	Jennifer Brown	Macmillan Publishers
33	33	The Name of the Wind	9780756404741	2007	50	William Turner	Penguin Random House
34	34	Alices Adventures in Wonderland	9781503250210	1865	120	David Roberts	Cambridge University ...
35	35	The Shining	9780307743657	1977	65	Sophie Green	Scholastic Corporation
36	36	Gone with the Wind	9781451635621	1936	70	Andrew Black	Houghton Mifflin Harco...
37	37	The Power of One	9780345410054	1989	50	Emma Adams	Bloomsbury Publishing
38	38	The Subtle Art of Not Giving a F*ck	9780062457714	2016	100	David Roberts	Hodder & Stoughton
39	39	The Maze Runner	9780385737951	2009	75	Mary Turner	Viking Press
40	40	The Nightingale	9780312577223	2015	80	Ella Adams	Simon & Schuster
41	41	The Fault in Our Stars	9780525478812	2012	85	Sarah Roberts	Random House Childr...
42	42	Educated	9780399590504	2018	65	Richard Turner	Hachette Childrens Gr...
43	43	The Girl on the Train	9781594633669	2015	70	Olivia Green	Alfred A. Knopf
44	44	The Fellowship of the Ring	9780618346257	1954	55	Matthew Black	Vintage Books
45	45	A Wrinkle in Time	9780312367541	1962	90	Sophia Adams	Scholastic Press
46	46	The Lion, the Witch, and the Wardro...	9780064404990	1950	70	Elizabeth Green	Penguin Books
47	47	The Silence of the Girls	9780525522294	2018	60	Daniel Black	HarperCollins
48	48	The Hate U Give	9780062498533	2017	80	Sarah Adams	Random House
49	49	The Stand	9780307743688	1978	75	Sophie Green	Oxford University Press
50	50	The Subtle Knife	9780375842382	1997	65	David Roberts	Simon & Schuster
51	51	The Road	9780307387899	2006	85	Robert Lee	Hachette Book Group
52	52	One Hundred Years of Solitude	9780060883287	1967	70	Andrew Black	Macmillan Publishers
53	53	The Priory of the Orange Tree	9781635570298	2019	50	Matthew Black	Houghton Mifflin Harco...
54	54	The Hitchhikers Guide to the Galaxy	9780345391803	1979	80	Emily White	Hodder & Stoughton
55	55	The Martian	9780553418026	2011	70	Matthew Black	Viking Press
56	56	The Picture of Dorian Gray	9780486278070	1890	90	Emma Adams	Random House Childr...
57	57	The Giver	9780544340688	1993	75	Sophia Adams	Hachette Childrens Gr...
58	58	A Clash of Kings	9780553108030	1999	70	Emily White	Alfred A. Knopf
59	59	Harry Potter and the Prisoner of Azk...	9780439136365	1999	85	Michael Johnson	Scholastic Press
60	60	The Immortal Life of Henrietta Lacks	9781400052189	2010	50	Richard Turner	Penguin Books
61	61	The Outsiders	9780142407332	1967	90	Sarah Roberts	HarperCollins
62	62	The Book Thief	9780375842207	2005	70	Daniel Black	Simon & Schuster
63	63	The Kite Runner	9781594631931	2003	75	Jennifer Brown	Hachette Book Group
64	64	Nineteen Eighty-Four	9780451524935	1949	65	Emily White	Macmillan Publishers
65	65	The Goldfinch	9780316055444	2013	80	Olivia Green	HarperCollins Publishers
66	66	The Adventures of Huckleberry Finn	9780143107321	1885	90	Sarah Roberts	Vintage Books 14s
67	67	The Road Less Traveled	9780671250676	1978	70	Matthew Black	Knopf Doubleday
68	68	The Great Alone	9780312577230	2018	75	Laura Turner	Penguin 14s
69	69	The Help	9780425232200	2009	80	John Smith	Penguin Books
70	70	The Underground Railroad	9780385542364	2016	75	Thomas Roberts	Knopf Doubleday
71	71	The Magicians Nephew	9780064405027	1955	85	Michael Johnson	Simon & Schuster
72	72	Where the Crawdads Sing	9780735219090	2018	95	Ella Adams	Penguin Random House
73	73	The Sun Also Rises	9780743297332	1926	85	Michael Green	HarperCollins Publishers
74	74	The Power of Habit	9780812981605	2012	65	Emma Adams	Houghton Mifflin Harco...
75	75	A Man Called Ove	9781476738024	2012	70	John Smith	Vintage Childrens 14s
76	76	The Shadow of the Wind	9780143034902	2004	75	Grace Roberts	Hodder & Stoughton
77	77	The Secret Life of Bees	9780143114559	2001	80	Laura Turner	Viking Press
78	78	Eleanor Oliphant Is Completely Fine	9780735220690	2017	75	Oliver Adams	Alfred A. Knopf
79	79	Little Fires Everywhere	9780735224292	2017	80	Grace Roberts	Scholastic Press

21.Search Book By Author name and Publisher name:

```
CREATE PROCEDURE book_author_publisher @author VARCHAr(30),@publisher VARCHAR(30)

AS

BEGIN

SELECT
BookInfo.BookID,BookInfo.Title,BookInfo.Price,BookInfo.ISBN,BookInfo.PublicationYear,B
ookInfo.QuantityInStock from BookInfo left join Author ON
BookInfo.AuthorID=Author.AuthorID

left join Publisher ON BookInfo.PublisherID=Publisher.PublisherID where
Author.AuthorName=@author and Publisher.PublisherName=@publisher

END;


EXEC book_author_publisher 'Elizabeth Green','Random House';
```


22.Show Author Name Having high book stock in the shop:

```
SELECT TOP 1 Author.AuthorID,Author.AuthorName,SUM(BookInfo.QuantityInStock) AS STOCK
from Author left join BookInfo ON

Author.AuthorID=BookInfo.AuthorID GROUP BY Author.AuthorID,Author.AuthorName ORDER BY
STOCK DESC
```


23.Show Publisher Name Having high book stock in the shop:

```
SELECT TOP 1
Publisher.PublisherID,Publisher.PublisherName,SUM(BookInfo.QuantityInStock) AS STOCK
from Publisher left join BookInfo ON

Publisher.PublisherID=BookInfo.PublisherID GROUP BY
Publisher.PublisherID,Publisher.PublisherName ORDER BY STOCK DESC
```

	PublisherID	PublisherName	STOCK
1	5	Simon & Schuster	524

24. Calculate Total salary paid to Employees:

```
SELECT COUNT(Employees.EmployeeID) AS TOTAL_EMPLOYEES,SUM(Employees.Salary) AS
TOTAL_SALARY from Employees;
```

	TOTAL_EMPLOYEES	TOTAL_SALARY
1	10	250000.00

25. Show all Employees and rank by salary:

```
CREATE PROCEDURE ALL_EMPLOYEE

AS

BEGIN

SELECT
Employees.EmployeeID,Employees.FirstName,Employees.LastName,Employees.PhoneNumber,Empl
oyees.City,Employees.JobTitle,

MAX(Employees.Salary) AS Highest_Salary from Employees

GROUP BY Employees.EmployeeID,Employees.FirstName,

Employees.JobTitle,Employees.LastName,Employees.City,Employees.PhoneNumber ORDER BY
Highest_Salary DESC;

END;



EXEC ALL_EMPLOYEE
```

	EmployeeID	FirstName	LastName	PhoneNumber	City	JobTitle	Highest_Salary
1	1	Ahmed	Khan	0312-1234567	Karachi	Manager	45000.00
2	2	Fatima	Ali	0321-2345678	Lahore	Assistant Manager	35000.00
3	3	Mohammad	Iqbal	0300-9876543	Islamabad	Sales Executive	25000.00
4	8	Hina	Qureshi	0322-3456789	Gujranwala	Sales Executive	24000.00
5	9	Farhan	Mehmood	0316-7890123	Sialkot	Sales Executive	23000.00
6	4	Ayesha	Malik	0315-5432109	Rawalpindi	Sales Executive	23000.00
7	6	Sadia	Akhtar	0333-1122334	Multan	Sales Executive	22000.00
8	10	Sana	Nawaz	0345-6789012	Gujrat	Cashier	18000.00
9	5	Usman	Haider	0345-6789012	Faisalabad	Cashier	18000.00
10	7	Ali	Raza	0301-4567890	Hyderabad	Cashier	17000.00

26. Show Employees Data Who Live in City and Employees Salary should be greater than 23000.

```
CREATE PROCEDURE Employees_info @city VARCHAR(20),@salary int

AS

BEGIN

SELECT
Employees.EmployeeID,Employees.FirstName,Employees.LastName,Employees.PhoneNumber,Empl
oyees.Country,Employees.Employee_Address,

Employees.Email,Employees.City,Employees.JobTitle,Employees.Salary,Employees.PostalCod
e from Employees

where City in(@city) and Salary > @salary;

END;


exec Employees_info 'Lahore', 23000
```
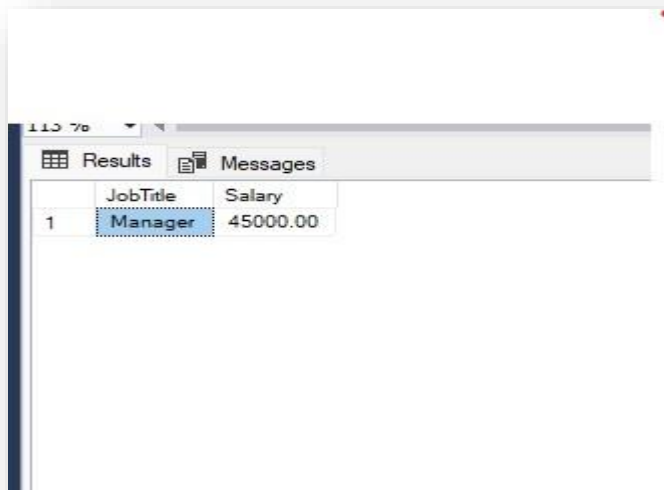
	EmployeeID	FirstName	LastName	PhoneNumber	Country	Employee_Address	Email	City	JobTitle	Salary	PostalCode
1	2	Fatima	Ali	0321-2345678	Pakistan	456 Park Road	fatima.ali@gmail.com	Lahore	Assistant Manager	35000.00	54000

27. Which Job have Highest Job salary and how much:

```
Select top 1 Employees.JobTitle,Employees.Salary from Employees ORDER BY Salary DESC;
```
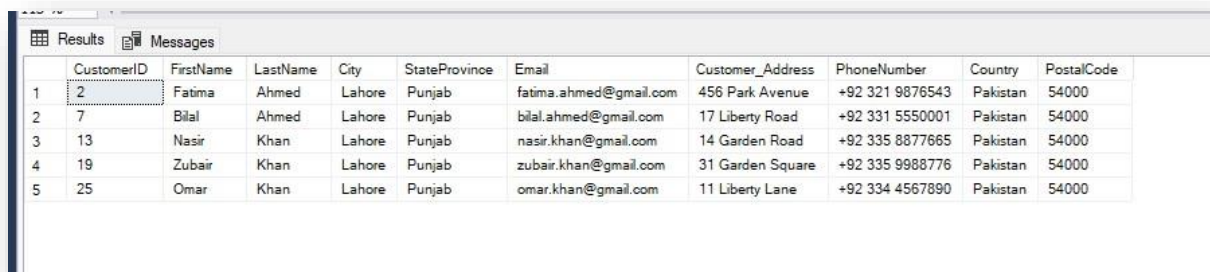
28. List Customer names who live in state Punjab and city (Lahore):

```
CREATE PROCEDURE Customer_Location @city VARCHAR(20) ,@province VARCHAR(20)

AS

BEGIN

SELECT
Customer.CustomerID,Customer.FirstName,Customer.LastName,Customer.City,Customer.StateP
rovince,Customer.Email,

Customer.Customer_Address,Customer.PhoneNumber,Customer.Country,

Customer.PostalCode from Customer where City in(@city) and StateProvince=@province;

END;


exec Customer_Location 'Lahore', 'Punjab'
```


	CustomerID	FirstName	LastName	City	StateProvince	Email	Customer_Address	PhoneNumber	Country	PostalCode
1	2	Fatima	Ahmed	Lahore	Punjab	fatima.ahmed@gmail.com	456 Park Avenue	+92 321 9876543	Pakistan	54000
2	7	Bilal	Ahmed	Lahore	Punjab	bilal.ahmed@gmail.com	17 Liberty Road	+92 331 5550001	Pakistan	54000
3	13	Nasir	Khan	Lahore	Punjab	nasir.khan@gmail.com	14 Garden Road	+92 335 8877665	Pakistan	54000
4	19	Zubair	Khan	Lahore	Punjab	zubair.khan@gmail.com	31 Garden Square	+92 335 9988776	Pakistan	54000
5	25	Omar	Khan	Lahore	Punjab	omar.khan@gmail.com	11 Liberty Lane	+92 334 4567890	Pakistan	54000
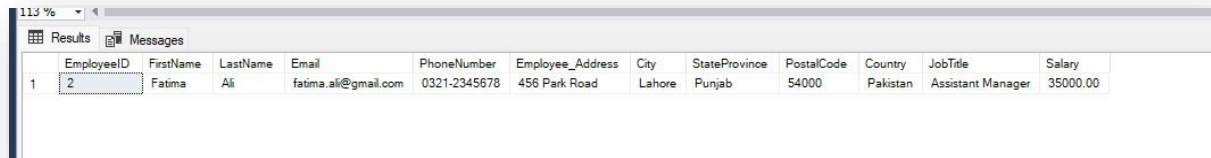
29. Search Employee By Name:

```
CREATE PROCEDURE SEARCH_EMPLOYEE @f_name VARCHAR(30),@l_name VARCHAR(30)

AS

BEGIN
```

```
SELECT *from Employees where Employees.FirstName=@f_name and
Employees.LastName=@l_name;

END;



EXEC SEARCH_EMPLOYEE 'Fatima','Ali'
```


	EmployeeID	FirstName	LastName	Email	PhoneNumber	Employee_Address	City	StateProvince	PostalCode	Country	JobTitle	Salary
1	2	Fatima	Ali	fatima.ali@gmail.com	0321-2345678	456 Park Road	Lahore	Punjab	54000	Pakistan	Assistant Manager	35000.00

30.Make a list of Customers According to province:

```
CREATE PROCEDURE Customer_Province @province VARCHAR(30)

AS

BEGIN

SELECT Customer.StateProvince,COUNT(Customer.StateProvince) AS Number_Of_Customers
from Customer GROUP BY Customer.StateProvince

Having Customer.StateProvince=@province

END;



EXEC Customer_Province 'Punjab'
```
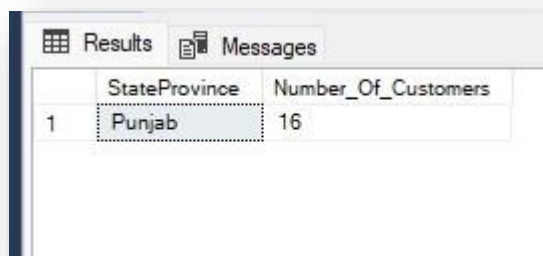

	StateProvince	Number_Of_Customers
1	Punjab	16

31.Show Paid Order in Database:

```
CREATE PROCEDURE payment_status_customer @status VARCHAR(10)

AS

BEGIN

Select
OrderHeader.OrderID,OrderHeader.CustomerID,OrderHeader.OrderDate,OrderPayment.TotalAmo
unt,OrderPayment.PaymentMethod,

OrderPayment.PaymentStatus from OrderHeader inner join OrderPayment
```

```
ON OrderHeader.OrderID=OrderPayment.OrderID where OrderPayment.PaymentStatus=@status;

END;


exec payment_status_customer   'Pending'
```


	OrderID	CustomerID	OrderDate	TotalAmount	PaymentMethod	PaymentStatus
1	2	2	2023-07-26	75.99	Cash on Delivery	Pending
2	9	15	2023-07-31	70.75	Credit Card	Pending
3	17	15	2023-08-07	38.25	Cash on Delivery	Pending
4	23	17	2023-08-12	28.95	Credit Card	Pending

32.Search Book By Category:

```
CREATE PROCEDURE book_category @name VARCHAR (20)

AS

BEGIN

SELECT *from BookInfo inner join BookCategories on
BookInfo.GenreID=BookCategories.GenreID where BookCategories.CategoryName=@name


END;


exec book_category 'Classic';
```

	BookID	Title	ISBN	GenreID	PublicationYear	Price	QuantityInStock	Description	PublisherID	AuthorID	GenreID	CategoryName
1	30	Little Women	9780143106485	14	1868	11.25	80	14 novel following the lives of four sisters.	5	3	14	Classic
2	56	The Picture of Dorian Gray	9780486278070	14	1890	11.25	90	14 novel about the pursuit of pleasure and beauty.	16	15	14	Classic
3	66	The Adventures of Huckleberry Finn	9780143107321	14	1885	11.99	90	14 novel by Mark Twain.	23	16	14	Classic

33.List Complete Purchase data (Supplier + Book):

```
CREATE PROCEDURE Purchase_data

AS

BEGIN

SELECT
PurchaseItem.PurchaseItemID,PurchaseHeader.PurchaseID,PurchaseHeader.SupplierID,Suppli
er.SupplierName,PurchaseItem.BookID,BookInfo.Title,PurchaseItem.Quantity,
```

```
PurchaseItem.UnitPrice from PurchaseHeader inner join PurchaseItem on
PurchaseHeader.PurchaseID=PurchaseItem.PurchaseID inner join

BookInfo ON PurchaseItem.BookID=BookInfo.BookID inner join Supplier ON
PurchaseHeader.SupplierID=Supplier.SupplierID

END;


exec Purchase_data;
```

	PurchaseItemID	PurchaseID	SupplierID	SupplierName	BookID	Title	Quantity	UnitPrice
1	1	1	1	Asian Books Co.	12	The Great Gatsby	50	10.99
2	2	1	1	Asian Books Co.	16	The Alchemist	30	15.50
3	3	2	3	Shanghai Literature Group	18	The Lord of the Rings	20	12.75
4	4	2	3	Shanghai Literature Group	13	The Catcher in the Rye	40	14.95
5	5	3	5	Seoul Book Distributors	15	Pride and Prejudice	25	18.25
6	6	3	5	Seoul Book Distributors	19	The Chronicles of Narnia	35	11.80
7	7	4	2	Tokyo Publishing House	11	1984	10	20.99
8	8	4	2	Tokyo Publishing House	1	The Secret Garden	15	17.50
9	9	5	4	Delhi Books Emporium	7	Sapiens: A Brief History of Humankind	50	8.99
10	10	5	4	Delhi Books Emporium	21	The Night Circus	30	9.95
11	11	6	4	Delhi Books Emporium	22	Sapiens: A Graphic History	20	18.99
12	12	6	4	Delhi Books Emporium	23	Outlander	15	22.50
13	13	7	2	Tokyo Publishing House	27	The Hobbit	30	11.99
14	14	19	5	Seoul Book Distributors	54	The Hitchhikers Guide to the Galaxy	25	14.75
15	15	8	1	Asian Books Co.	62	The Book Thief	40	12.80
16	16	8	1	Asian Books Co.	66	The Adventures of Huckleberry Finn	20	16.95
17	17	9	5	Seoul Book Distributors	57	The Giver	50	9.50
18	18	9	5	Seoul Book Distributors	69	The Help	35	13.25
19	19	10	3	Shanghai Literature Group	65	The Goldfinch	10	23.99
20	20	10	3	Shanghai Literature Group	39	The Maze Runner	15	19.95
21	21	11	3	Shanghai Literature Group	41	The Fault in Our Stars	25	20.50
22	22	11	3	Shanghai Literature Group	32	The Silent Patient	30	15.99
23	23	12	1	Asian Books Co.	16	The Alchemist	20	17.75
24	24	12	1	Asian Books Co.	17	The Girl with the Dragon Tattoo	15	12.80
25	25	13	5	Seoul Book Distributors	18	The Lord of the Rings	30	9.99
26	26	13	5	Seoul Book Distributors	59	Harry Potter and the Prisoner of Azk...	25	14.25
27	27	14	2	Tokyo Publishing House	5	Dune	35	8.50
28	28	14	2	Tokyo Publishing House	71	The Magicians Nephew	40	18.95
29	29	15	4	Delhi Books Emporium	6	Gone Girl	10	24.99
30	30	15	4	Delhi Books Emporium	7	Sapiens: A Brief History of Humankind	20	19.50
31	31	21	3	Shanghai Literature Group	22	Sapiens: A Graphic History	10	20.34
32	32	22	2	Tokyo Publishing House	22	Sapiens: A Graphic History	10	19.34
33	33	23	1	Asian Books Co.	22	Sapiens: A Graphic History	10	18.34

----------**I N S E R T   D A T A   I N T O   T A B L E S**---------

----

BOOK INFO

```
CREATE PROCEDURE INSERT_BOOKINFO @ID INT,@TITLE VARCHAR(40),@ISBN VARCHAR(16),@GENREID
INT,@PUBLICATION_YEAR INT,@PRICE DECIMAL(10,2),

@QUANTITY INT,@DESCRIPTION TEXT,@PUBLICATION_ID INT,@AUTHOR_ID INT

AS

BEGIN

INSERT INTO BookInfo
values(@ID,@TITLE,@ISBN,@GENREID,@PUBLICATION_YEAR,@PRICE,@QUANTITY,@DESCRIPTION,@PUBL
ICATION_ID,@AUTHOR_ID);



END;


EXEC INSERT_BOOKINFO  80,'The Unicorn Who Came to
Breakfast','9780702307034',6,2022,8.03,30

,'The Unicorn Who Came to Breakfast: a brilliantly funny picture book about one
familys surprise visit from a UNICORN!',20,15;
```

Author

```
CREATE PROCEDURE New_Author @ID int,@AUTHOR_NAME VARCHAR(30),@BIO TEXT

AS

BEGIN

INSERT INTO Author VALUES(@ID,@AUTHOR_NAME,@BIO);

END;


exec New_Author  30,'Maureen Lee Lenker','Maureen Lee Lenker is an

award-winning journalist who has written for Turner Classic Movies, The Hollywood
Reporter, Ms. Magazine, and more'
```

Publisher

```
CREATE PROCEDURE New_Publisher @ID int,@Publisher_NAME VARCHAR(30),@Addrees
VARCHAR(255),@City VARCHAR(30),@Province VARCHAR(30),

@Postalcode VARCHAR(20),@Country VARCHAR(30)

AS

BEGIN

INSERT INTO Publisher
VALUES(@ID,@Publisher_NAME,@Addrees,@City,@Province,@Postalcode,@Country);

END;
```

```
exec New_Publisher  28,'Bloomsbury Publishing','50 Bedford Square','London','United
Kingdom','WC1B 3DP','London'
```

Customer

```
CREATE PROCEDURE New_Customer @ID INT,@F_NAME VARCHAR(30),@L_NAME VARCHAR(30),@EMAIL
VARCHAR(40),@PHONE_NUMBER VARCHAR(25),

@ADDRESS VARCHAR(255),@CITY VARCHAR(20),@PROVINCE VARCHAR(20),@POSTAL_CODE
VARCHAR(20),@COUNTRY VARCHAR(20)

AS

BEGIN


INSERT INTO Customer
VALUES(@ID,@F_NAME,@L_NAME,@EMAIL,@PHONE_NUMBER,@ADDRESS,@CITY,@PROVINCE,@POSTAL_CODE,
@COUNTRY);

end;


EXEC New_Customer
26,'Talha','Siddique','clan302gaming@gmail.com','034512312378','Sialkot','Daska','Punj
ab','51010','Pakistan'
```

Make Order

```
--------->Make A Order<-------

CREATE PROCEDURE BOOK_ORDER_CUSTOMER @orderID int ,@CustomerID int,@order_date
DATE,@payment_method VARCHAR(30),@Payment_status VARCHAR(30),@bookID int,@quantity int

AS

BEGIN

INSERT INTO OrderHeader VALUES(@orderID,@CustomerID,@order_date);

insert into BookOrder Values(@orderID,@bookID,@quantity);

INSERT INTO OrderPayment VALUES(@orderID,0,@payment_method,@Payment_status);

update OrderPayment set TotalAmount=(select BookInfo.Price*@quantity from BookInfo
where BookInfo.BookID=@bookID) where OrderID=@orderID;

update BookInfo set QuantityInStock=QuantityInStock-@quantity where BookID=@bookID;


--->Order BILL RECEIPT:


SELECT
Customer.CustomerID,Customer.FirstName,Customer.LastName,BookInfo.Title,OrderHeader.Or
derID,OrderHeader.OrderDate,OrderPayment.PaymentMethod,OrderPayment.PaymentStatus,
```

```
OrderPayment.TotalAmount, BookOrder.Quantity FROM Customer

INNER JOIN OrderHeader ON Customer.CustomerID = OrderHeader.CustomerID

INNER JOIN BookOrder ON OrderHeader.OrderID = BookOrder.OrderID

INNER JOIN BookInfo ON BookOrder.BookID = BookInfo.BookID

INNER JOIN OrderPayment ON OrderHeader.OrderID = OrderPayment.OrderID  WHERE
Customer.CustomerID=@CustomerID and OrderHeader.OrderDate=@order_date;


SELECT SUM(OrderPayment.TotalAmount) AS TOTAL_BILL from OrderPayment

INNER JOIN OrderHeader ON OrderHeader.OrderID=OrderPayment.OrderID

INNER JOIN Customer ON OrderHeader.CustomerID=Customer.CustomerID

where Customer.CustomerID=@CustomerID and OrderHeader.OrderDate=@order_date;


END;


EXEC BOOK_ORDER_CUSTOMER  34,9,'2023-08-03','Cash','Paid',11,2
```

	CustomerID	FirstName	LastName	Title	OrderID	OrderDate	PaymentMethod	PaymentStatus	TotalAmount	Quantity
1	9	Omar	Rafiq	1984	34	2023-08-03	Cash	Paid	25.98	2

	TOTAL_BILL
1	25.98

Purchase Books

```
------->Purchase Books<--------

CREATE PROCEDURE Purchace_books @Purchase_Item_ID int,@Purchase_ID int ,@supplier_ID
int,@Purchase_date DATE,@Book_ID int ,@Quantity int ,@Unit_Price DECIMAL(10,2)

AS

BEGIN

INSERT INTO PurchaseHeader VALUES(@Purchase_ID,@supplier_ID,@Purchase_date);

INSERT INTO PurchaseItem
VALUES(@Purchase_Item_ID,@Purchase_ID,@Book_ID,@Quantity,@Unit_Price);

update BookInfo set QuantityInStock=QuantityInStock+@Quantity where BookID=@Book_ID;


-->GENERATE BILL:
```

```sql
SELECT
PurchaseHeader.PurchaseID,PurchaseHeader.SupplierID,PurchaseHeader.PurchaseDate,Purcha
seItem.PurchaseItemID,PurchaseItem.BookID,BookInfo.Title,PurchaseItem.Quantity,

PurchaseItem.UnitPrice,Supplier.SupplierName,

PurchaseItem.UnitPrice*Quantity AS TOTAL_BILL from PurchaseHeader inner join
PurchaseItem ON PurchaseHeader.PurchaseID=PurchaseItem.PurchaseID INNER JOIN BookInfo
ON

PurchaseItem.BookID=BookInfo.BookID INNER JOIN Supplier ON
PurchaseHeader.SupplierID=Supplier.SupplierID

where PurchaseItemID=@Purchase_Item_ID

END;


EXEC Purchace_books 35,24,1,'2023-02-09',18,10,18.34
```

EMPLOYEE

```sql
CREATE PROCEDURE NEW_EMPLOYEE @ID INT,@F_NAME VARCHAR(30),@L_NAME VARCHAR(30),@EMAIL
VARCHAR(30),@PHONE_NUMBER VARCHAR(30),@ADDRESS VARCHAR(255),

@CITY VARCHAR(20),@PROVINCE VARCHAR(20),@JOB_TITLE VARCHAR(30),@POSTAL_CODE
VARCHAR(30),@COUNTRY VARCHAR(30),@SALARY DECIMAL(10,2)

AS

BEGIN


INSERT INTO Employees
VALUES(@ID,@F_NAME,@L_NAME,@EMAIL,@PHONE_NUMBER,@ADDRESS,@CITY,@PROVINCE,@JOB_TITLE,@P
OSTAL_CODE,@COUNTRY,@SALARY);


END;


exec NEW_EMPLOYEE 11, 'Pakiza', 'Nawaz', 'pakiza.nawaz@gmail.com', '0345-6789012',
'654 Retail Plaza',

'Sialkot', 'Punjab', '51210', 'Pakistan', 'Cashier', 18000.00
```

SUPPLIER

```sql
CREATE PROCEDURE NEW_Supplier @SupplierID int,@SupplierName varchar(40),@ContactPerson
varchar(40),@Email varchar(255),@PhoneNumber varchar(40),@Supplier_Address
varchar(255),

@City varchar(40),@StateProvince varchar(40),@PostalCode varchar(30),@Country
varchar(40)

AS

BEGIN

INSERT INTO Supplier VALUES (@SupplierID,@SupplierName,@ContactPerson,@Email
,@PhoneNumber ,@Supplier_Address,
```

```
@City,@StateProvince ,@PostalCode,@Country);


END;



EXEC NEW_Supplier 5, 'Hola Book Distributors', 'Kim Chin-ji',
'chin.kim@holabooks.co.kr', '+82 2 1234 7890', '739 Jongno Street', 'Seoul', 'Seoul',
'901234', 'South Korea';
```

------------------# SHOW ALL TABLES DATA----------------------

```
CREATE PROCEDURE Show_all_table

AS

BEGIN

select *from Author;

select *from Publisher;

select *from BookInfo;

select *from Customer;

select *from Employees;

select *from Supplier;

select *from OrderHeader;

select *from OrderPayment;

select *from PurchaseHeader;

select *from PurchaseItem;

select *from BookCategories;

select *from BookOrder;




END;


exec Show_all_table
```

--------------# DELETE ALL TABLES DATA--------------------

```
CREATE PROCEDURE Delete_table_data

AS

BEGIN


DELETE FROM BookInfo;

DELETE FROM Publisher;

DELETE FROM Author;

DELETE FROM Customer;

DELETE FROM Employees;

DELETE FROM Supplier;

DELETE from OrderHeader;

DELETE from OrderPayment;

DELETE from PurchaseHeader;

DELETE from PurchaseItem;

DELETE from BookCategories;

END;




exec Delete_table_data
```

--------------------------**DROP ALL TABLES** ---------------------

```
CREATE PROCEDURE Drop_table_data

AS

BEGIN


DROP TABLE BookInfo;

DROP TABLE Publisher;

DROP TABLE Author;

DROP TABLE Customer;

DROP TABLE Employees;

DROP TABLE Supplier;
```

```sql
    DROP TABLE OrderHeader;

    DROP TABLE OrderPayment;

    DROP TABLE PurchaseHeader;

    DROP TABLE PurchaseItem;

    DROP TABLE BookCategories;

    END;


    exec Drop_table_data
```

ER DIAGRAM

BOOK SHOP MANAGEMENT SYSTEM (ER DIAGRAM)

publisher

PK	**PublisherID : INT**
	PublisherName : VARCHAR(30)
	Publisher_Address : VARCHAR(255)
	City : VARCHAR(30)
	StateProvinvce : VARCHAR(30)
	PostalCode : VARCHAR(20)
	Country : VARCHAR(30)

Employees

PK	**EmployeeID: int**
	FirstName : VARCHAR(30)
	LastName : VARCHAR(30)
	Email : VARCHAR(30)
	PhoneNumber : VARCHAR(15)
	Employee_Address : VARCHAR(255)
	City : VARCHAR(20)
	StateProvince : VARCHAR(20)
	JobTitle : varchar(30)
	PostalCode : VARCHAR(20)
	Country : VARCHAR(30)
	Salary : DECIMAL(10, 2)

Author

PK	**AuthorID : INT**
	AuthorName : VARCHAR(30)
	Bio : TEXT

Supplier

PK	**SupplierID : INT**
	SupplierName : VARCHAR(30)
	ContactPerson : VARCHAR(15)
	Email : VARCHAR(30)
	PhoneNumber : VARCHAR(15)
	Supplier_Address VARCHAR(255)
	City : VARCHAR(30)
	StateProvince : VARCHAR(30)
	PostalCode : VARCHAR(20)
	Country : VARCHAR(30)

Customer

PK	**CustomerID : INT**
	FirstName :VARCHAR(30)
	LastName : VARCHAR(30)
	Email VARCHAR(40)
	PhoneNumber VARCHAR(20)
	Customer_Address VARCHAR(255)
	City : VARCHAR(30)
	StateProvince : VARCHAR(30)
	PostalCode : VARCHAR(20)
	Country : VARCHAR(30)

BookInfo

PK	**BookID : INT**
FK1	PublisherID : INT
FK2	AuthorID : INT
FK3	GenreID : INT
	Title : VARCHAR(40)
	ISBN : VARCHAR(13)
	GenreID : INT
	PublicationYear : INT
	Price : DECIMAL(10,2)
	QuantityInStock : INT
	Description : TEXT

PurchaseHeader

PK	**PurchaseID : INT**
FK	SupplierID : INT
	PurchaseDate : DATE

OrderHeader

PK	**OrderID : INT**
FK	CustomerID : INT
	OrderDate : DATE

PurchaseItem

PK	**PurchaseItemID : INT**
FK1	PurchaseID : INT
	BookID : INT
	Quantity : INT
	UnitPrice : DECIMAL(10,2)

Orderpayment

FK	**OrderID : INT**
	TotalAmount : DECIMAL(10,2)
	PaymentMethod : VARCHAR(100)
	PaymentStatus : VARCHAR(50)

BookOrder

FK	**OrderID : INT**
FK	BookID : INT
	Quantity : INT

BookCategories

FK	**GenreID : INT**
	CategoryName : VARCHAR(30)