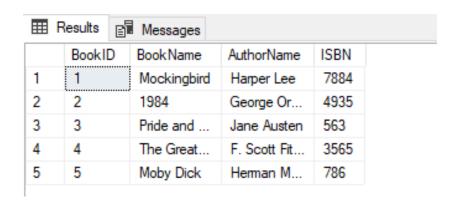1.Create Book as table with Columns BookID ,BookName,AuthorName, ISBN and BookID should be the primary key.

Ans

```sql
use SPORTS_TAPAN

CREATE TABLE Book (
BookID INT NOT NULL PRIMARY KEY,
BookName NVARCHAR(100),
AuthorName NVARCHAR(100),
ISBN int UNIQUE);


INSERT INTO Book (BookID, BookName, AuthorName, ISBN)
VALUES
(1, 'Mockingbird', 'Harper Lee', 7884),
(2, '1984', 'George Orwell', 4935),
(3, 'Pride and Prejudice', 'Jane Austen', 0563),
(4, 'The Great Gatsby', 'F. Scott Fitzgerald', 3565),
(5, 'Moby Dick', 'Herman Melville', 0786);
```

Output:-

| | BookID | BookName | AuthorName | ISBN |
|---|---|---|---|---|
| 1 | 1 | Mockingbird | Harper Lee | 7884 |
| 2 | 2 | 1984 | George Or... | 4935 |
| 3 | 3 | Pride and ... | Jane Austen | 563 |
| 4 | 4 | The Great... | F. Scott Fit... | 3565 |
| 5 | 5 | Moby Dick | Herman M... | 786 |

2 .Alter Type from NVARCHAR(100)  to   NVARCHAR(50)

Answer

```
ALTER TABLE Book
ALTER COLUMN BookName NVARCHAR(50);

ALTER TABLE Book
ALTER COLUMN  AuthorName NVARCHAR(50);
```

3.To Create a Books Table with Bookid , Book Name ?

Answer:-

```
Create  table Books(
Bookid  INT PRIMARY KEY,
Bookname Nvarchar(50))
```

```
Insert into Books (Bookid, Bookname)
select  BookID , BookName from Book;
```

Output

| | Bookid | Bookname |
|---|---|---|
| 1 | 1 | Mockingbird |
| 2 | 2 | 1984 |
| 3 | 3 | Pride and Prejudice |
| 4 | 4 | The Great Gatsby |
| 5 | 5 | Moby Dick |

4. To Create an Authors Table  with arthur id ,author name?

```
Create table Author(
AuthorID INT PRIMARY KEY IDENTITY(1,1),
 AuthorName NVARCHAR(50),
 BookName NVARCHAR(50),
 BookID INT,
 FOREIGN KEY( BookID) REFERENCES Book(BookID)
 )
```

```sql
Insert into Author (AuthorName, BookName, BookID) Values
((select AuthorName, BookName, BookID from Book));
```

Output

| | AuthorID | AuthorName | BookName | BookID |
|---|---|---|---|---|
| 1 | 1 | Harper Lee | Mockingbird | 1 |
| 2 | 2 | George Orwell | 1984 | 2 |
| 3 | 3 | Jane Austen | Pride and Prejudice | 3 |
| 4 | 4 | F. Scott Fitzgerald | The Great Gatsby | 4 |
| 5 | 5 | Herman Melville | Moby Dick | 5 |

5.To Create Junction  for table Books and Authors

```sql
CREATE TABLE BooksAuthors (
    BookID INT,
    AuthorID INT,
    PRIMARY KEY (BookID, AuthorID),
    FOREIGN KEY (BookID) REFERENCES Books(BookID),
    FOREIGN KEY (AuthorID) REFERENCES Authors(AuthorID)
);
```