

1) Retrieve Particular Column by Using Select Command: -

select title, Book_ID from books;

| | title | Book_ID |
|---|------------------------|---------|
| ▶ | To Kill a Mockingbird | 1 |
| | Pride and Prejudice | 2 |
| | The Great Gatsby | 3 |
| | The Catcher in the Rye | 4 |
| | The Catcher in the Rye | 5 |

select name , email , phone_no from members;

| | name | email | phone_no |
|---|----------------|--------------------------|------------|
| ▶ | VAIBHAV SATRAS | VAIBHAVSATRAS5@GMAIL.COM | 9765592502 |
| | MANOHAR JOSHI | MANOHARJOSHI@GMAIL.COM | 9765489458 |
| | MINAL KUMARI | MINALKUMARI@GMAIL.COM | 9146714725 |
| | AMOL KALE | AMOLKALE5@GMAIL.COM | 9730102217 |
| | MANISHA BHAGAT | MANISHABHAGAT@GMAIL.COM | 9765592502 |

select Publisher_Id, Publisher_Name from publisher;

| | Publisher_Id | Publisher_Name |
|---|--------------|--------------------------|
| ▶ | 201 | J.B.Lippincott & Co. |
| | 202 | T.Egerton,Whitehall |
| | 203 | Charles Scribner's Sons |
| | 204 | Little,Brown and Company |
| | 205 | Bloomsbury Publishing |

2) Retrieve The Data By Using Where Clause: -

select * from members where status = 'Active';

| MEMBER_ID | NAME | EMAIL | PHONE_NO | MEMBERSHIP_DATE | STATUS |
|-----------|----------------|--------------------------|------------|-----------------|--------|
| 101 | VAIBHAV SATRAS | VAIBHAVSATRAS5@GMAIL.COM | 9765592502 | 2022-07-25 | ACTIVE |
| 103 | MINAL KUMARI | MINALKUMARI@GMAIL.COM | 9146714725 | 2018-03-10 | ACTIVE |
| 104 | AMOL KALE | AMOLKALE5@GMAIL.COM | 9730102217 | 2020-11-12 | ACTIVE |
| NULL | NULL | NULL | NULL | NULL | NULL |

select * from publisher where address = 'USA';

| PUBLISHER_ID | PUBLISHER_NAME | ADDRESS |
|--------------|--------------------------|---------|
| 201 | J.B.Lippincott & Co. | USA |
| 203 | Charles Scribner's Sons | USA |
| 204 | Little,Brown and Company | USA |
| NULL | NULL | NULL |

3) Retrieve The Data by Using And, OR, LIKE, between

select * from members where member_id = 102 and status = 'not active';

| MEMBER_ID | NAME | EMAIL | PHONE_NO | MEMBERSHIP_DATE | STATUS |
|-----------|---------------|------------------------|------------|-----------------|------------|
| 102 | MANOHAR JOSHI | MANOHARJOSHI@GMAIL.COM | 9765489458 | 2020-08-22 | NOT ACTIVE |
| NULL | NULL | NULL | NULL | NULL | NULL |

select * from publisher where publisher_id = 205 or address = 'USA';

| PUBLISHER_ID | PUBLISHER_NAME | ADDRESS |
|--------------|--------------------------|---------|
| 201 | J.B.Lippincott & Co. | USA |
| 203 | Charles Scribner's Sons | USA |
| 204 | Little,Brown and Company | USA |
| 205 | Bloomsbury Publishing | UK |
| NULL | NULL | NULL |

select * from book_issued where month(issue_date) between 7 and 8;

| ISSUE_ID | BOOK_ID | MEMBER_ID | ISSUE_DATE | DUE_DATE | RETURN_DATE |
|----------|---------|-----------|------------|------------|-------------|
| 5001 | 1 | 101 | 2025-07-24 | 2025-08-24 | 2025-07-30 |
| 5002 | 1 | 102 | 2020-08-23 | 2020-09-25 | 2020-09-02 |
| 5003 | 2 | 102 | 2020-08-23 | 2020-09-25 | 2020-09-02 |
| NULL | NULL | NULL | NULL | NULL | NULL |

select * from book_issued where year(return_date) between 2020 and 2025;

| ISSUE_ID | BOOK_ID | MEMBER_ID | ISSUE_DATE | DUE_DATE | RETURN_DATE |
|----------|---------|-----------|------------|------------|-------------|
| 5001 | 1 | 101 | 2025-07-24 | 2025-08-24 | 2025-07-30 |
| 5002 | 1 | 102 | 2020-08-23 | 2020-09-25 | 2020-09-02 |
| 5003 | 2 | 102 | 2020-08-23 | 2020-09-25 | 2020-09-02 |
| NULL | NULL | NULL | NULL | NULL | NULL |

select * from publisher where publisher_id = 202 or address = 'LONDON';

| PUBLISHER_ID | PUBLISHER_NAME | ADDRESS |
|--------------|---------------------|---------|
| 202 | T.Egerton,Whitehall | LONDON |
| NULL | NULL | NULL |

select * from books where genre like '%m%';

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------------|-----------|--------------|---------------|--------------|------------------|
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |
| 5 | The Catcher in the Rye | 1005 | 205 | Coming-of-Age | 12 | 10 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL |

select * from books where genre like '%_e%';

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------------|-----------|--------------|---------------|--------------|------------------|
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |
| 5 | The Catcher in the Rye | 1005 | 205 | Coming-of-Age | 12 | 10 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL |

select * from books where genre like '%R_%';

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------|-----------|--------------|---------|--------------|------------------|
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL |

4) Retrieve The Data by Using Order By Clause:-

select * from books order by total_copies;

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------------|-----------|--------------|---------------|--------------|------------------|
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |
| 5 | The Catcher in the Rye | 1005 | 205 | Coming-of-Age | 12 | 10 |
| 4 | The Catcher in the Rye | 1004 | 204 | Fiction | 15 | 12 |
| 2 | Pride and Prejudice | 1002 | 202 | Dystopian | 20 | 15 |
| 1 | To Kill a Mockingbird | 1001 | 201 | Fiction | 25 | 10 |

select * from books order by total_copies desc;

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------------|-----------|--------------|---------------|--------------|------------------|
| 1 | To Kill a Mockingbird | 1001 | 201 | Fiction | 25 | 10 |
| 2 | Pride and Prejudice | 1002 | 202 | Dystopian | 20 | 15 |
| 4 | The Catcher in the Rye | 1004 | 204 | Fiction | 15 | 12 |
| 5 | The Catcher in the Rye | 1005 | 205 | Coming-of-Age | 12 | 10 |
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |

select * from books order by total_copies desc, available_copies desc;

| BOOK_ID | TITLE | AUTHOR_ID | PUBLISHER_ID | GENRE | TOTAL_COPIES | AVAILABLE_COPIES |
|---------|------------------------|-----------|--------------|---------------|--------------|------------------|
| 1 | To Kill a Mockingbird | 1001 | 201 | Fiction | 25 | 10 |
| 2 | Pride and Prejudice | 1002 | 202 | Dystopian | 20 | 15 |
| 4 | The Catcher in the Rye | 1004 | 204 | Fiction | 15 | 12 |
| 5 | The Catcher in the Rye | 1005 | 205 | Coming-of-Age | 12 | 10 |
| 3 | The Great Gatsby | 1003 | 203 | Romance | 10 | 8 |