```sql
CREATE DATABASE LIBRARY ;

USE LIBRARY ;


CREATE TABLE BRANCH (

BRANCH_NO INT PRIMARY KEY,

MANAGER_ID INT,

BRANCH_ADDRESS VARCHAR(200),

CONTACT_N0 VARCHAR(20)

) ;


CREATE TABLE EMPLOYEE (

Emp_id int primary key,

Emp_name varchar(50),

position varchar(50),

salary decimal(10,2),

branch_no int,

foreign key (branch_no)references branch(branch_no)

) ;


create table BOOKS(

ISBN VARCHAR(20) PRIMARY KEY,

Book_title varchar(100),

category varchar(50),

Rental_price decimal(10,2),

status varchar(10),

Author varchar(50),

Publisher varchar(50)

) ;

create table customer(

customer_id int primary key,

Customer_name varchar(50),
```

```sql
Customer_address varchar(200),

Reg_date date) ;

create table IssueStatus(

Issue_id int primary key,

Issue_cust int,

Issue_book_name varchar(100),

Issue_date date,

Isbn_book varchar(20),

foreign key (Issue_cust) references customer(customer_id),

foreign key (Isbn_book) references Books(ISBN)

) ;

create table ReturnStatus (

Return_id int primary key,

Return_cust int,

Return_book_name varchar(100),

Return_date date,

Isbn_book2 varchar(20),

foreign key (Isbn_book2) references Books(ISBN)

) ;



-- 1


select Book_title,Category,Rental_Price

from Books

where status = 'yes' ;


-- 2


select Emp_name,salary

from Employee
```

Order by salary desc ;

-- 3


```sql
SELECT B.Book_title, C.Customer_name
FROM Books B
JOIN IssueStatus I ON B.ISBN = I.Isbn_book
JOIN Customer C ON I.Issue_cust = C.Customer_Id;
```


-- 4


```sql
SELECT Category, COUNT(*)
FROM Books
GROUP BY Category;
```


-- 5


```sql
SELECT Emp_name, Position
FROM Employee
WHERE Salary > 50000;
```


-- 6
```sql
SELECT Customer_name
FROM Customer
WHERE Reg_date < '2022-01-01'
AND Customer_Id NOT IN (SELECT Issue_cust FROM IssueStatus);
```


-- 7

```sql
SELECT B.Branch_no, COUNT(*)

FROM Branch B

JOIN Employee E ON B.Branch_no = E.Branch_no

GROUP BY B.Branch_no;
```

-- 8

```sql
SELECT C.Customer_name

FROM Customer C

JOIN IssueStatus I ON C.Customer_Id = I.Issue_cust

WHERE MONTH(Issue_date) = 6 AND YEAR(Issue_date) = 2023;
```

-- 9

```sql
SELECT Book_title

FROM Books

WHERE Book_title LIKE '%history%';
```

-- 10

```sql
SELECT B.Branch_no, COUNT(*)

FROM Branch B

JOIN Employee E ON B.Branch_no = E.Branch_no

GROUP BY B.Branch_no

HAVING COUNT(*) > 5;
```

-- 11

```sql
SELECT E.Emp_name, B.Branch_address
FROM Employee E
JOIN Branch B ON E.Emp_Id = B.Manager_Id;
```

-- 12

```sql
SELECT C.Customer_name
FROM Customer C
JOIN IssueStatus I ON C.Customer_Id = I.Issue_cust
JOIN Books B ON I.Isbn_book = B.ISBN
WHERE B.Rental_Price > 25;
```