Tables

Books (isbn, book\_name, author, pub\_yr, category,rental\_price, status)

Customer (cust\_id,cust\_name, cust\_address,books\_issued)

Staff (staff\_id, staff\_name, position, salary)

Branch (mgr\_id, br\_id, br\_address, br\_phone)

Issue (issue\_id, issue\_book\_name, issue\_date , isbn, cust\_id)

Return (return\_id, due\_date, return\_date, return\_book\_name, isbn, cust\_id)

1.write a query to display the isbn, book name and issue date which are issued on particular date.

3. write a query to display the average price of books which are belonging to particular category.

4. write a query to display the manager id, branch address, staff name, salary. If sal is null then display ‘no sal’ else print salary+10%sal

5. write a query to display staff details and isbn, book name of the books taken by them.

6. write a query to display customer details along with return date who has returned the books after the due date.

7. Write a query to display the book code, title, published date of the books which is been published in the month of December.

8. Write a query to display the customer id, name and number of remaining books he/she can take with “REMAININGBOOKS” as alias name.

**Hint:**Assuming a member can take maximum 3 books. For example, Ramesh has already taken 2 books; he can take only one book now. Hence display the remaining books as 1 in below format.

9. List the customer id and name, the name of the taken book from particular branch.

10.  Lists students who have not read books.

11. List the id,name of the customers and the number of books they read sorted by BookCount. Also list the customers who have never read a book.

12. Display issue id,issued customer name whose isbn number is xxxx.

6. Display the unique list of Book code and Book name from the Book transaction.

A. SELECT DISTINCT(BT.BOOK\_CODE),BM.BOOK\_NAME FROM BOOK\_MASTERS BM,BOOK\_TRANSACTIONS BT WHERE(BM.BOOK\_CODE=BT.BOOK\_CODE);

List the id,name of the customers and the number of books they read sorted by BookCount. Also list the customers who have never read a book.

13. Display Staff Code, Staff Name, and Department Name for those who have taken more than one book.

1. Display the isbn, book\_name, author, pub\_yr of category ‘STORY BOOKS’ that were published during the period of 2001 to 2005 which belongs to ‘HYDERABAD’ branch.

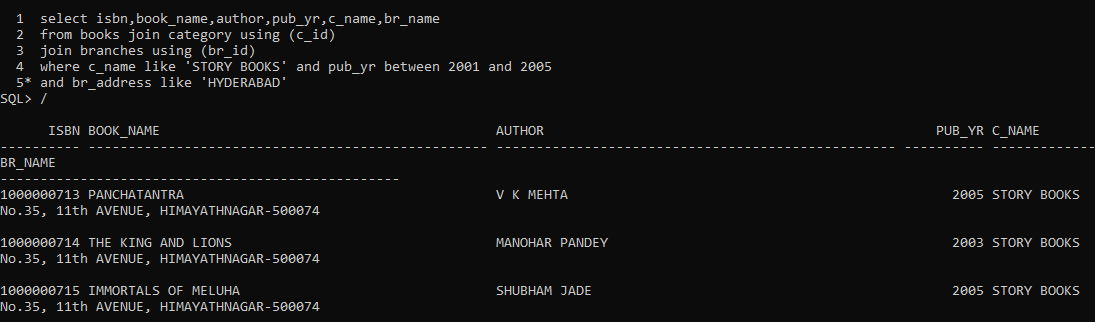
select isbn,book\_name,author,pub\_yr,c\_name,br\_name

from books join category using (c\_id)

join branches using (br\_id)

where c\_name like 'STORY BOOKS' and pub\_yr between 2001 and 2005

and br\_address like 'HYDERABAD';



2. Display Book Name, Author Name for those authors who wrote more than one book from Chennai branch.

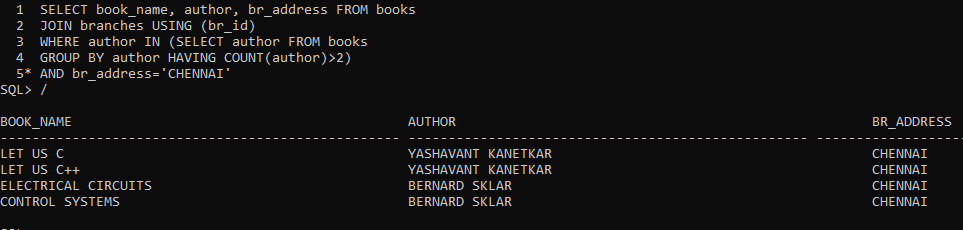
SELECT book\_name, author, br\_address FROM books

JOIN branches USING (br\_id)

WHERE author IN (SELECT author FROM books

GROUP BY author HAVING COUNT(author)>2)

AND br\_address='CHENNAI'



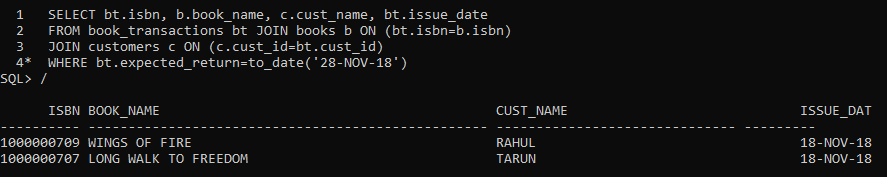
3. Create a query that will display book id, book name, customer name along with issue date for all customers whose expected book return date is some day.

SELECT bt.isbn, b.book\_name, c.cust\_name, bt.issue\_date

FROM book\_transactions bt JOIN books b ON (bt.isbn=b.isbn)

JOIN customers c ON (c.cust\_id=bt.cust\_id)

WHERE bt.expected\_return=to\_date('28-NOV-18')



4. Write a Procedure to accept book number and check it in database. Then check whether book is return expected date or out of date. If out of date then it will calculate fine of Rs.2/-day. If the book is not available then display the book is not available in the library.

CREATE OR REPLACE PROCEDURE get\_fine(p\_isbn NUMBER) IS

v\_book\_id NUMBER;

v\_expected\_return book\_transactions.expected\_return%type;

v\_actual\_return book\_transactions.actual\_return%type;

v\_days NUMBER;

v\_fine NUMBER;

BEGIN

select isbn,expected\_return,actual\_return

into v\_book\_id,v\_expected\_return,v\_actual\_return

from book\_transactions where isbn=p\_isbn;

v\_days:=v\_actual\_return-v\_expected\_return;

IF(v\_days>0) THEN

v\_fine:=v\_days\*2;

dbms\_output.put\_line(v\_book\_id||' '||v\_expected\_return||' '||v\_actual\_return||' '||v\_days||' '||v\_fine);

ELSE

dbms\_output.put\_line(v\_book\_id||' '||v\_expected\_return||' '||v\_actual\_return||' '||' '||'returned on expected date');

END IF;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

dbms\_output.put\_line('Book not available');

END;

Write a query to display the customer id, name and number of remaining books he/she can take with “REMAININGBOOKS” as alias name.

**Hint:**Assuming a member can take maximum 3 books. For example, Ramesh has already taken 2 books; he can take only one book now. Hence display the remaining books as 1 in below format.