1. get password- select password from admin where id={user input id}

2. get user id- select readerid from reader;

3. get all isbn – select isbn from book;

4. get all branch – select branch from branch;

5. get book position- select position from location;

6. get book by isbn- select title from bookinfo where isbn={user input};

7. get book by id- select title from book,bookinfo where book.isbn=bookinfo.isbn and bookid={user input};

8. get book by title – select title from bookinfo where title={user input}

9. get book by publisher – select title from bookinfo, publisher where publisher.publisherid=bookinfo.publisherid and publishername={user inut};

10. get book id- select bookid from book where isbn={user input};

11. add book location- insert into location(bookid,branched,position) values(user input);

12. get all publisher –select publishername from publisher;

13. add author – insert into author(name) values (user input);

14. add book isbn – insert into book(isbn) values (user input);

15. book checkout- select returned from borrow where bookid={user input}

If it return 1

Then it adds book- insert into borrow(bookid,readerid,branched,bdate,returned) values(user input);

It sets returned as 0;

1-> book available; 0-> book not available

16. get author id- select authorif from author where name={user input};

17. get publisher id- SELECT publisherid FROM publisher WHERE publishername ={user input};

18. add book info – insert into bookinfo(isbn,title,publisherid,publicationdate,authourid) values (user input);

19. return book –select returned from borrow where bookid={user input};

If returned =0 then return book- update borrow set rdate={date};

20. add user- insert into reader(name,address,phone) values(user input);

21. get all branch – select \* from branch;

22. get all book title and id- select title,bookid from book,bookinfo where book.isbn=bookinfo.isbn;

23. get reserve book list – select title from reserve, book, bookinfo where reserve.bookid=book.bookid and book.isbn=bookinfo.isbn and readerid={user input};

24. get frequent borrowers – select name,count(\*) AS count from borrow, reader where borrow.readerid=reader.readerid and branched={user input} group by name order by count(\*) DESC;

25. frequent borrowed books- SELECT title, count(\*) AS count FROM borrow,book,bookinfo WHERE branchid = {user input} and book.bookid = borrow.bookid and bookinfo.isbn = book.isbn GROUP BY title ORDER BY count DESC;

26. get all reader – select name from reader;

27. get reader id – select readerid from reader where name ={user input};

28. get reader fine – select fine from borrow where readerid={user input};

29. check reader login – select readerid from reader where reader={user input}

It reaturns -1 if no match found.