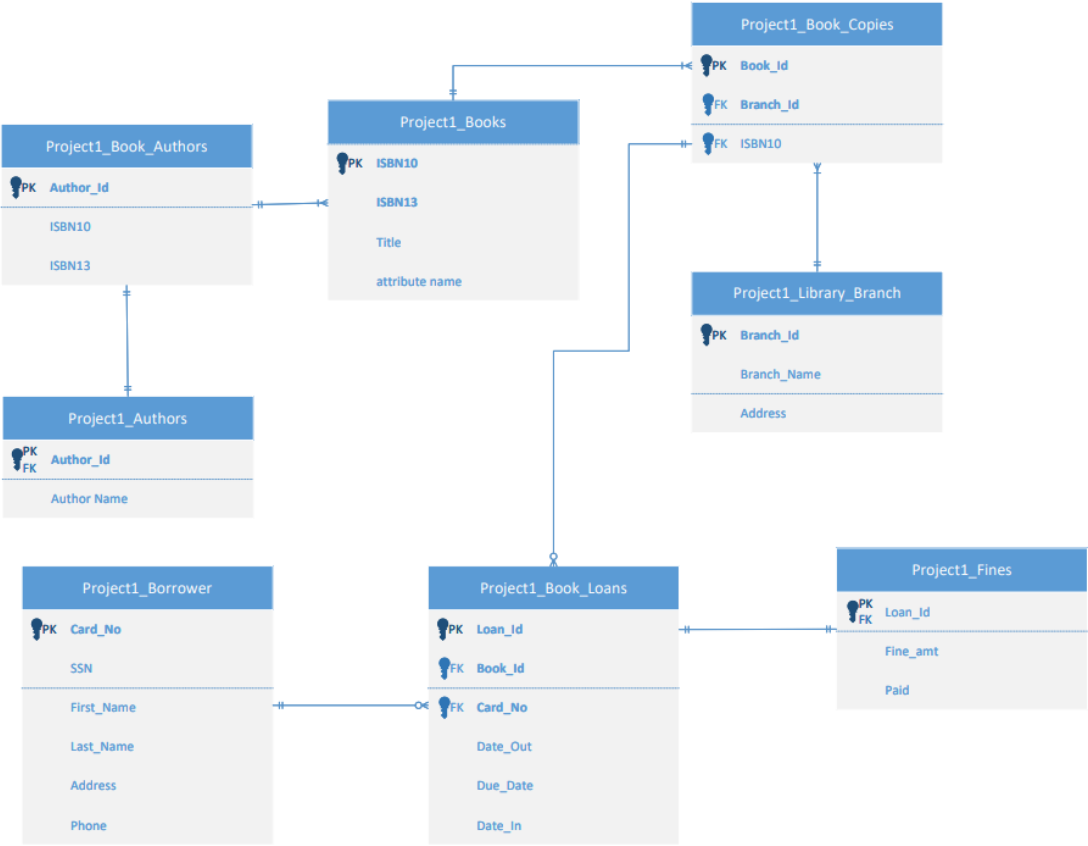# PROJECT 1 (Amritha Rajarajan)

ER Diagram:

Creating PROJECT1_BOOKS table and inserting values:

```
CREATE TABLE  project1_books(

ISBN10 VARCHAR2(26) primary key not null ,
ISBN13 NUMBER(38,0) not null,
TITLE VARCHAR2(256)
);
Insert into project1_books
select isbn10, isbn13, title from project1_books_load;
```

Project 1* ▼

```
1    --project1_books table
2
3    CREATE TABLE  project1_books(
4    ISBN10 VARCHAR2(26) primary key not null ,
5    ISBN13 NUMBER(38,0) not null,
6    TITLE VARCHAR2(256)
7    );
8    Insert into project1_books
9    select isbn10, isbn13, title from project1_books_load ;
10
11   select * from PROJECT1_BOOKS_LOAD
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History

Elapsed: 00:00:00.041

Table PROJECT1_BOOKS created.

Elapsed: 00:00:00.024

25,000 rows inserted.

Elapsed: 00:00:00.391

Creating PROJECT1_BOOK_AUTHORS and PROJECT1_AUTHORS table and inserting values:

```
CREATE TABLE project1_book_authors(
Author_id number(38,0),
ISBN10 VARCHAR2(26),
ISBN13 NUMBER(38,0));
create sequence Author_id START WITH 1 increment by 1;
INSERT INTO project1_book_authors
SELECT Author_id.nextval, ISBN10, isbn13
FROM PROJECT1_BOOKS_LOAD ;

Create table project1_authors(
    Author_Id number (38,0),
    Name varchar2(4000));
INSERT INTO project1_authors
SELECT A.Author_id, P.Authro
FROM PROJECT1_BOOKS_LOAD P
inner join project1_book_authors A
on A.isbn10 = P.isbn10;
```


Creating PROJECT1_LIBRARY_BRANCH table and inserting values:

```
CREATE TABLE project1_library_branch(

BRANCH_ID number(38,0),
BRANCH_NAME VARCHAR2(4000),
ADDRESS VARCHAR2(4000));

INSERT INTO project1_library_branch
SELECT DISTINCT BRANCH_ID, BRANCH_NAME, ADDRESS
FROM PROJECT1_LIBRARY_BRANCH_LOAD ;
```

```
24
25
26    CREATE TABLE project1_library_branch(
27    BRANCH_ID number(38,0),
28    BRANCH_NAME VARCHAR2(4000),
29    ADDRESS VARCHAR2(4000));
30
31    INSERT INTO project1_library_branch
32    SELECT DISTINCT BRANCH_ID, BRANCH_NAME, ADDRESS
33    FROM PROJECT1_LIBRARY_BRANCH_LOAD ;
```

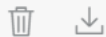Query Result   Script Output   DBMS Output   Explain Plan   Autotrace

Table PROJECT1_LIBRARY_BRANCH created.

Elapsed: 00:00:00.012

5 rows inserted.

Elapsed: 00:00:00.046

Creating PROJECT1_BOOK_COPIES table and inserting values:

```sql
Create table project1_book_copies(

BOOK_ID VARCHAR2(26),
ISBN10 VARCHAR2(26),
BRANCH_ID NUMBER(38,0),
no_of_copies NUMBER(38,0),
CONSTRAINT PROJECT1_BOOK_COPIES_pk PRIMARY KEY (BOOK_ID)
);



create sequence BOOK_ID START WITH 1 increment by 1;
INSERT INTO PROJECT1_BOOK_COPIES
SELECT BOOK_ID.nextval,BOOK_ID,BRANCH_ID,no_of_copies FROM PROJECT1_BOOK_COPIES_LOAD;
select * from PROJECT1_BOOK_COPIES
```

Creating PROJECT1_BORROWER table and inserting values

```
CREATE TABLE PROJECT1_BORROWER

(
CARD_NO VARCHAR2(26)NOT NULL PRIMARY KEY,
SSN VARCHAR2(26),
FIRST_NAME VARCHAR2(26),
LAST_NAME VARCHAR2(26),
ADDRESS VARCHAR2(128),
PHONE VARCHAR2(26)
);

create table temp1 (detail VARCHAR2(4000));
insert into temp1
select * from project1_borrowers_load;



SELECT m.detail
,REGEXP_SUBSTR (detail, '[^,]+', 1, 1) AS Card_No
,REGEXP_SUBSTR (detail, '[^,]+', 1, 2) AS SSN
,REGEXP_SUBSTR (detail, '[^,]+', 1, 3) AS F_Name
,REGEXP_SUBSTR (detail, '[^,]+', 1, 4) AS L_Name
,REGEXP_SUBSTR (detail, '[^,]+', 1, 6) AS Address
,REGEXP_SUBSTR (detail, '[^,]+', 1, 9) AS PHONE
FROM temp1 m;

INSERT INTO PROJECT1_BORROWER
SELECT CARD_NO,SSN,F_NAME,L_NAME,ADDRESS,PHONE FROM
(SELECT m.detail
,REGEXP_SUBSTR (detail, '[^,]+', 1, 1) AS Card_No
,REGEXP_SUBSTR (detail, '[^,]+', 1, 2) AS SSN
,REGEXP_SUBSTR (detail, '[^,]+', 1, 3) AS F_Name
,REGEXP_SUBSTR (detail, '[^,]+', 1, 4) AS L_Name
,REGEXP_SUBSTR (detail, '[^,]+', 1, 6) AS Address
,REGEXP_SUBSTR (detail, '[^,]+', 1, 9) AS PHONE
FROM temp1 m);
```
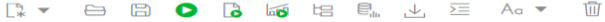
Creating Project1_Book_Loans table using PL/SQL:

```
CREATE TABLE project1_book_loans(LOAN_ID NUMBER GENERATED BY DEFAULT ON NULL AS
IDENTITY,
BOOK_ID VARCHAR2(20),
CARD_NO varchar2(20),
DATE_OUT DATE,
DUE_DATE DATE,
DATE_IN DATE,
CONSTRAINT LoansPk PRIMARY KEY(LOAN_ID));
CREATE TABLE project1_borrowers_tmp ( ID NUMBER GENERATED BY DEFAULT ON NULL AS
IDENTITY, CARD_NO varchar2(4000));
INSERT INTO project1_borrowers_tmp (CARD_NO)
SELECT b.CARD_NO from PROJECT1_BORROWER b;
CREATE TABLE project1_loanstmp( BOOK_ID varchar2(4000));
INSERT INTO project1_loanstmp(BOOK_ID) (SELECT c.BOOK_ID from project1_book_copies
c where rownum<=500);

INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_loanstmp
WHERE rownum<=200);
INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_book_loans
WHERE rownum<=100);
INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_book_loans
WHERE rownum<=100);
INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_loanstmp
WHERE rownum<=100);

UPDATE project1_book_loans bl SET bl.CARD_NO = (SELECT CARD_NO FROM
project1_borrowers_tmp bt where bl.LOAN_ID=bt.ID);
UPDATE project1_book_loans bl SET bl.DATE_OUT=sysdate-rownum;
UPDATE project1_book_loans bl SET bl.DUE_DATE= bl.DATE_OUT + 14;
UPDATE project1_book_loans bl SET bl.DATE_IN = bl.DATE_OUT + 15 WHERE LOAN_ID>=0
AND LOAN_ID<200;
UPDATE project1_book_loans bl SET bl.DATE_IN= bl.DATE_OUT + 12 WHERE LOAN_ID>=200
AND LOAN_ID<278;
UPDATE project1_book_loans bl SET bl.DATE_IN= bl.DATE_OUT + 5 WHERE LOAN_ID>=278
AND LOAN_ID<378;
commit;
```

```
110    select * from project1_book_copies
111
112    drop table project1_book_loans
113    CREATE TABLE project1_book_loans(LOAN_ID NUMBER GENERATED BY DEFAULT ON NULL AS
114    IDENTITY,
115    BOOK_ID VARCHAR2(20),
116    CARD_NO NUMBER,
117    DATE_OUT DATE,
118    DUE_DATE DATE,
119    DATE_IN DATE,
120    CONSTRAINT LoansPk PRIMARY KEY(LOAN_ID));
121    select * from
122    CREATE TABLE project1_borrowers_tmp ( ID NUMBER GENERATED BY DEFAULT ON NULL AS
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History

🗑 ⤓

Table PROJECT1_BOOK_LOANS dropped.

Elapsed: 00:00:00.024

ORA-02267: column type incompatible with referenced column type

Error at Line: 7 Column: 0

Table PROJECT1_BOOK_LOANS created.

Elapsed: 00:00:00.078

```
114    IDENTITY,
115    BOOK_ID VARCHAR2(20),
116    CARD_NO NUMBER,
117    DATE_OUT DATE,
118    DUE_DATE DATE,
119    DATE_IN DATE,
120    CONSTRAINT LoansPk PRIMARY KEY(LOAN_ID));
121    select * from
122    CREATE TABLE project1_borrowers_tmp ( ID NUMBER GENERATED BY DEFAULT ON NULL AS
123    IDENTITY, CARD_NO varchar2(4000));
124    INSERT INTO project1_borrowers_tmp (CARD_NO)
125    SELECT b.CARD_NO from PROJECT1_BORROWER b;
126    CREATE TABLE project1_loanstmp( BOOK_ID varchar2(4000));
127    INSERT INTO project1_loanstmp(BOOK_ID) (SELECT c.BOOK_ID from project1_book_copies
128    c where rownum<=500);
129
130
131    INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_loanstmp
132    WHERE rownum<=200);
133    INSERT INTO project1_book_loans (BOOK_ID) (SELECT BOOK_ID FROM project1_book_loans
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History

🗑 ⤓

78 rows updated.

Elapsed: 00:00:00.007

---

100 rows updated.

Elapsed: 00:00:00.007

Commit complete.

Elapsed: 00:00:00.003

Creating PROJECT1_Loans table and inserting values

```sql
CREATE TABLE project1_fines(LOAN_ID NUMBER(38,0) ,

FINE_AMT NUMBER(38,0),
PAID VARCHAR2(28) ,
BOOK_ID varchar2(20)NOT NULL,
DUE_DATE DATE NOT NULL,
DATE_IN DATE,
CONSTRAINT FinesPk PRIMARY KEY(LOAN_ID),
CONSTRAINT FinesFk FOREIGN KEY(LOAN_ID) REFERENCES project1_book_loans);
INSERT INTO project1_fines(LOAN_ID,DUE_DATE,DATE_IN,BOOK_ID)
SELECT LOAN_ID ,DUE_DATE,DATE_IN,BOOK_ID FROM project1_book_loans bl
WHERE bl.DATE_IN IS NULL OR bl.DATE_IN>bl.DUE_DATE;
UPDATE project1_fines f SET FINE_AMT=(
SELECT 10*(DATE_IN-DUE_DATE) FROM project1_book_loans bl
WHERE f.LOAN_ID= bl.LOAN_ID
AND DATE_IN>DUE_DATE
AND DATE_IN IS NOT NULL);
UPDATE project1_fines f SET PAID=
CASE WHEN FINE_AMT IS NULL
THEN 'NO'
ELSE 'YES'
END;
commit;
```



```
151
152    CREATE TABLE project1_fines(LOAN_ID NUMBER(38,0) ,
153    FINE_AMT NUMBER(38,0),
154    PAID VARCHAR2(28) ,
155    BOOK_ID varchar2(20)NOT NULL,
156    DUE_DATE DATE NOT NULL,
157    DATE_IN DATE,
158    CONSTRAINT FinesPk PRIMARY KEY(LOAN_ID),
159    CONSTRAINT FinesFk FOREIGN KEY(LOAN_ID) REFERENCES project1_book_loans);
160    INSERT INTO project1_fines(LOAN_ID,DUE_DATE,DATE_IN,BOOK_ID)
161    SELECT LOAN_ID ,DUE_DATE,DATE_IN,BOOK_ID FROM project1_book_loans bl
162    WHERE bl.DATE_IN IS NULL OR bl.DATE_IN>bl.DUE_DATE;
163    UPDATE project1_fines f SET FINE_AMT=(
164    SELECT 10*(DATE_IN-DUE_DATE) FROM project1_book_loans bl
165    WHERE f.LOAN_ID= bl.LOAN_ID
166    AND DATE_IN>DUE_DATE
167    AND DATE_IN IS NOT NULL);
168    UPDATE project1_fines f SET PAID=
169    CASE WHEN FINE_AMT IS NULL
170    THEN 'NO'
171    ELSE 'YES'
172    END;
173    commit;
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History

322 rows updated.

Elapsed: 00:00:00.016

322 rows updated.

Elapsed: 00:00:00.009

Commit complete.

Elapsed: 00:00:00.004

Book Search and Availability

```sql
SELECT DISTINCT bk.ISBN10,bk.ISBN13, bk.TITLE, a.NAME,bc.NO_OF_COPIES,bc.BRANCH_ID

FROM project1_books bk
LEFT JOIN project1_book_authors ba ON cast(bk.ISBN13 as varchar2(26))=ba.ISBN10
LEFT JOIN project1_authors a ON ba.AUTHOR_ID=a.AUTHOR_ID
LEFT JOIN project1_book_copies bc ON bk.ISBN10=bc.ISBN10
WHERE bk.TITLE LIKE '%&&param24%' OR
bk.TITLE LIKE '%&&param24' OR
bk.TITLE LIKE '&&param24%' OR
bk.ISBN13 LIKE '%&&param24%' OR
bk.ISBN13 LIKE '&&param24%'OR
bk.ISBN13 LIKE '%&&param24' OR
a.NAME LIKE '%&&param24%' OR
a.NAME LIKE '&&param24%' OR
a.NAME LIKE '%&&param24';
```

```sql
SELECT DISTINCT bc.ISBN10,bk.ISBN13, bk.TITLE, a.NAME,bc.NO_OF_COPIES,bc.BRANCH_ID

FROM project1_books bk
INNER JOIN project1_book_authors ba ON bk.ISBN10=ba.ISBN10
INNER JOIN project1_authors a ON ba.AUTHOR_ID=a.AUTHOR_ID
INNER JOIN project1_book_copies bc ON bk.ISBN10=bc.ISBN10
INNER JOIN project1_library_branch lb ON bc.BRANCH_ID=lb.BRANCH_ID
INNER JOIN project1_book_copies_load bcl ON bc.ISBN10=bcl.BOOK_ID
WHERE bk.TITLE LIKE '%&&param24%' OR
bk.TITLE LIKE '%&&param24' OR
bk.TITLE LIKE '&&param24%' OR
bk.ISBN13 LIKE '%&&param24%' OR
bk.ISBN13 LIKE '&&param24%'OR
bk.ISBN13 LIKE '%&&param24' OR
a.NAME LIKE '%&&param24%' OR
a.NAME LIKE '&&param24%' OR
a.NAME LIKE '%&&param24';
```


	ISBN10	ISBN13	TITLE	NAME	NO_OF_COPIES	BRANCH_ID
6	0060168013	9780060168018	Pigs In Heaven	Barbara Kingsolver	0	2
7	067176537X	9780671765378	The Therapeutic Touc	Dolores Krieger	1	2
8	067176537X	9780671765378	The Therapeutic Touc	Dolores Krieger	1	5
9	0671888587	9780671888589	I'll Be Seeing You	Mary Higgins Clark	1	3
10	0425182908	9780425182901	Isle Of Dogs (Andy Br	Patricia Cornwell	0	5
11	042518630X	9780425186305	Purity In Death	J.D. Robb	1	1
12	042518630X	9780425186305	Purity In Death	J.D. Robb	1	2
13	0060914068	9780060914066	Love, Medicine And M	Bernie S. Siegel M.D.	1	2
14	0060914068	9780060914066	Love, Medicine And M	Bernie S. Siegel M.D.	1	5
15	0245542957	9780245542954	Pacific Northwest	Hans Johannes Hoefe	1	3
16	0679810307	9780679810308	Shabanu: Daughter O	Suzanne Fisher Staple	1	1
17	0679810307	9780679810308	Shabanu: Daughter O	Suzanne Fisher Staple	0	2
18	0394743741	9780394743745	The Yawning Heights	Aleksandr Zinoviev	1	3

```sql
SELECT * FROM project1_book_copies bc

WHERE bc.BRANCH_ID LIKE '_';
SELECT ISBN,TITLE,'Y' as AVAILABLE, LISTAGG(NAME,' ,') WITHIN GROUP (ORDER BY NAME)
as Author,NO_OF_COPIES FROM
(SELECT ISBN,'Y',TITLE,NO_OF_COPIES,NAME FROM (SELECT a.ISBN,TITLE,NAME,
NO_OF_COPIES FROM
project1_book_copies a,project1_books b,project1_authors c,project1_books_authors d
 WHERE a.ISBN=b.ISBN10 AND c.AUTHOR_ID=d.AUTHOR_ID AND
 b.ISBN13=d.ISBN13 AND NO_OF_COPIES>0 AND BRANCH_ID=:BRANCH_DETAILS
 and (a.ISBN10=:BOOK_2 or lower(TITLE) like '%' || lower(:BOOK_2) || '%' or
lower(NAME) like '%' || lower(:BOOK_2) || '%' )))
GROUP BY ISBN10,TITLE ,NO_OF_COPIES;

Union

SELECT ISBN,TITLE,'N' as AVAILABLE, LISTAGG(NAME,' ,') WITHIN GROUP (ORDER BY NAME)
as Author,NO_OF_COPIES FROM
(SELECT ISBN,'N',TITLE,NO_OF_COPIES,NAME FROM (SELECT a.ISBN,TITLE,NAME,
NO_OF_COPIES FROM
project1_book_copies a,project1_books b,project1_authors c,project1_books_authors d
 where a.ISBN10=b.ISBN10 and c.AUTHOR_ID=d.AUTHOR_ID and b.ISBN13=d.ISBN13
and NO_OF_COPIES=0 and BRANCH_ID=:BRANCH_DETAILS
 and (a.ISBN10=:BOOK_2 or lower(TITLE) like '%' || lower(:BOOK_2) || '%' or
lower(NAME) like '%' || lower(:BOOK_2) || '%' )))
group by ISBN10,TITLE ,NO_OF_COPIES);
SELECT ISBN10,TITLE,NAME,BRANCH_ID FROM
(SELECT bk.ISBN10,bk.Title,auth.author_name,bkcp.branch_id
FROM project1_books bk
INNER JOIN project1_book_authors auth ON bk.ISBN13=auth.ISBN13
INNER JOIN project1_authors a ON auth.AUTHOR_ID=a.AUTHOR_ID
INNER JOIN project1_book_copies bkcp ON bkcp.ISBN=bk.ISBN10
WHERE UPPER(auth.NAME) LIKE UPPER(CONCAT('%',CONCAT('&NAME','%')))
AND UPPER(bk.Title) LIKE UPPER(CONCAT('%',CONCAT('&TITLE','%')))
AND bk.ISBN10 LIKE CONCAT('%',CONCAT('&ISBN10','%'))
GROUP BY bk.ISBN10,bk.Title,auth.name,bkcp.branch_id);
```
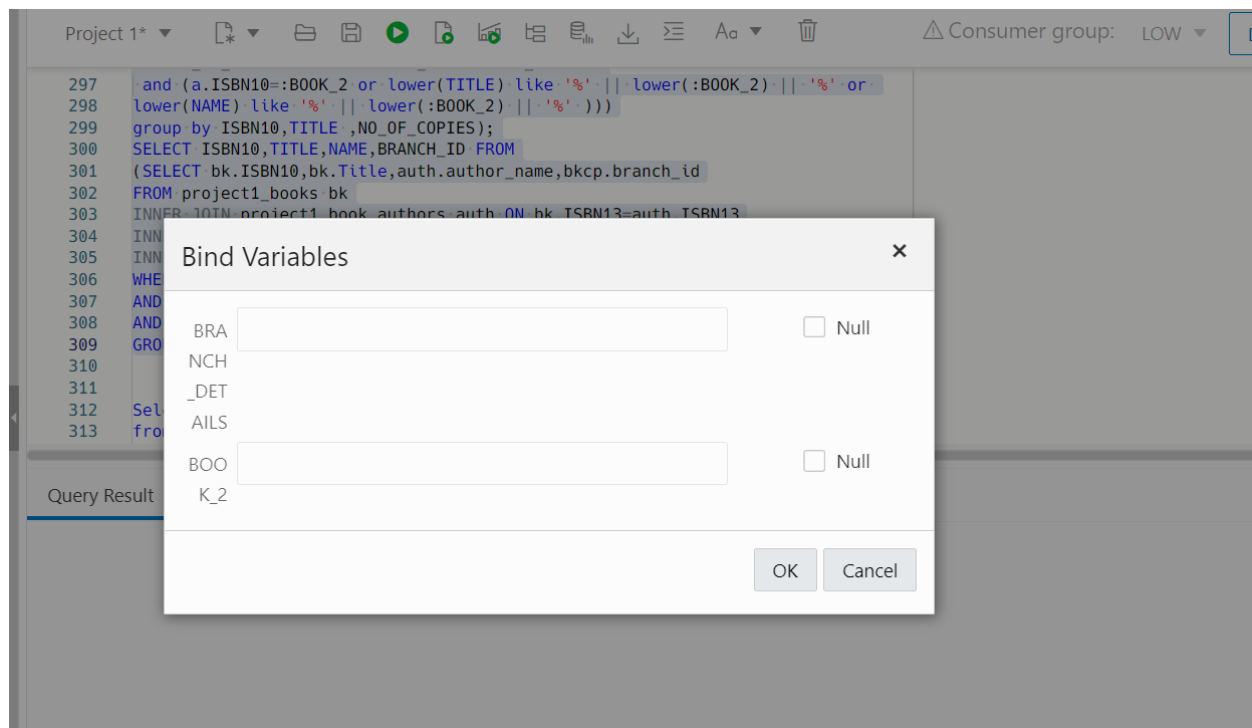
```
297      and (a.ISBN10=:BOOK_2 or lower(TITLE) like '%' || lower(:BOOK_2) || '%' or
298      lower(NAME) like '%' || lower(:BOOK_2) || '%' )))
299      group by ISBN10,TITLE ,NO_OF_COPIES);
300      SELECT ISBN10,TITLE,NAME,BRANCH_ID FROM
301      (SELECT bk.ISBN10,bk.Title,auth.author_name,bkcp.branch_id
302      FROM project1_books bk
303      INNER JOIN project1_book_authors auth ON bk.ISBN13=auth.ISBN13
304      INN
305      INN
306      WHE
307      AND
308      AND
309      GRO
310
311
312      Sel
313      fro
```

Bind Variables   ✕

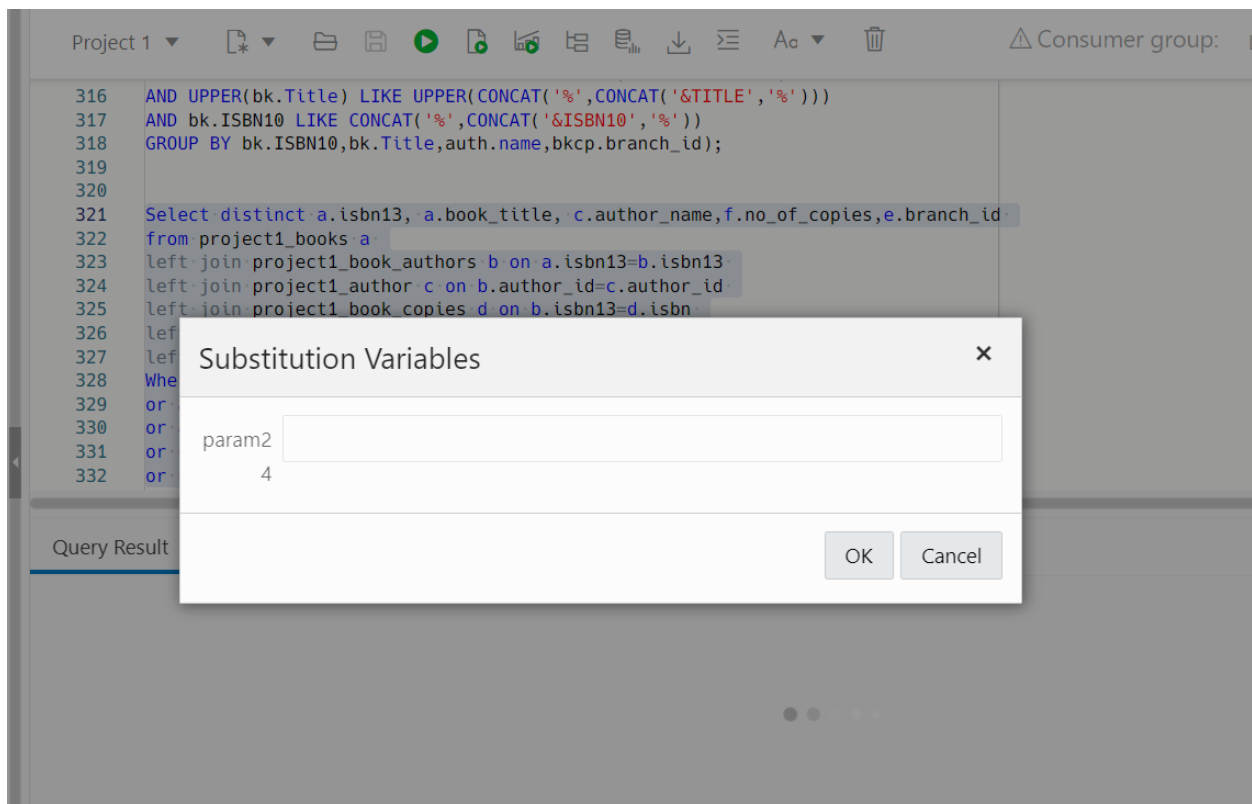|		
BRA NCH _DET AILS		☐ Null
BOO K_2		☐ Null

OK   Cancel

Query Result

```sql
Select distinct a.isbn13, a.book_title, c.author_name,f.no_of_copies,e.branch_id


from project1_books a
left join project1_book_authors b on a.isbn13=b.isbn13
left join project1_author c on b.author_id=c.author_id
left join project1_book_copies d on b.isbn13=d.isbn
left join project1_library_branch e on d.branch_id=e.branch_id
left join project1_book_copies_load f on d.isbn=f.book_id
Where a.book_title like '%&&param24%' or a.book_title like '%&&param24'
or a.book_title like '&&param24%' or a.isbn13 like '%&&param24%'
or a.isbn13 like '&&param24%'or a.isbn13 like '%&&param24'
or c.author_name like '%&&param24%'
or c.author_name like '&&param24%' or c.author_name like '%&&param24';
```
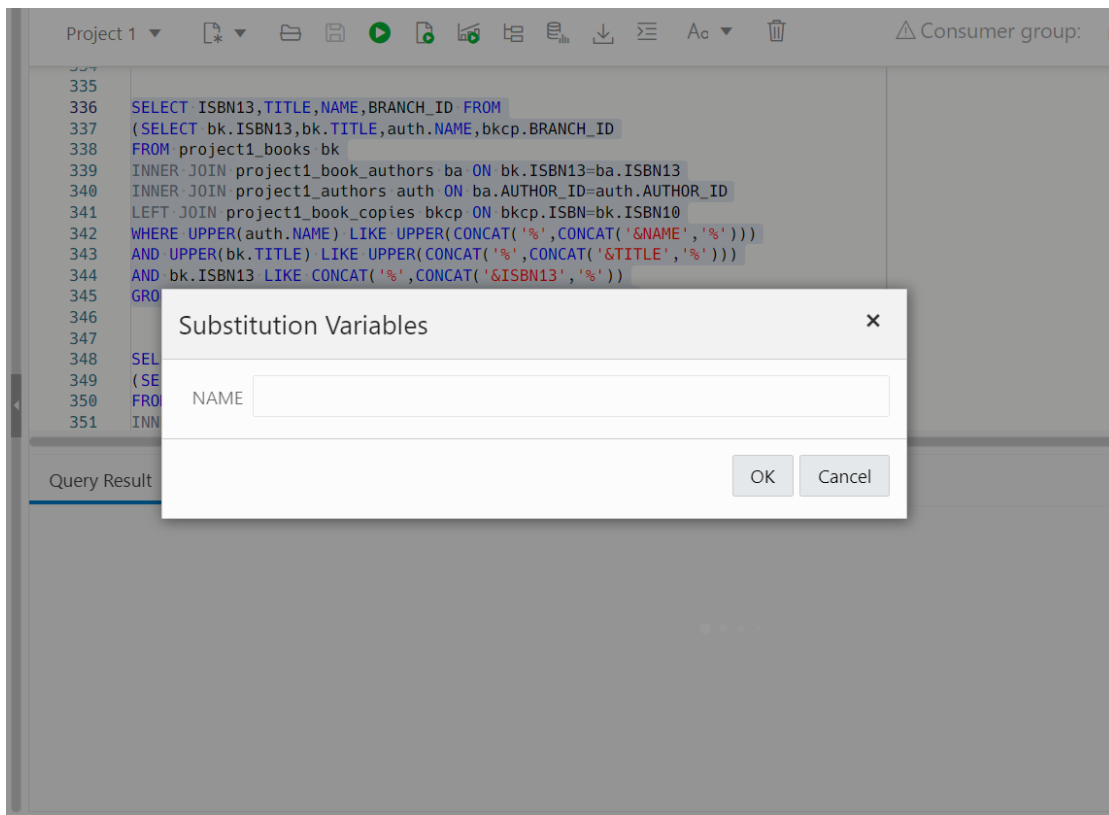

Project 1 ▾

△ Consumer group:

```
316    AND UPPER(bk.Title) LIKE UPPER(CONCAT('%',CONCAT('&TITLE','%')))
317    AND bk.ISBN10 LIKE CONCAT('%',CONCAT('&ISBN10','%'))
318    GROUP BY bk.ISBN10,bk.Title,auth.name,bkcp.branch_id);
319
320
321    Select distinct a.isbn13, a.book_title, c.author_name,f.no_of_copies,e.branch_id
322    from project1_books a
323    left join project1_book_authors b on a.isbn13=b.isbn13
324    left join project1_author c on b.author_id=c.author_id
325    left join project1_book_copies d on b.isbn13=d.isbn
326    lef
327    lef
328    Whe
329    or
330    or
331    or
332    or
```

Substitution Variables   ✕

param2
4   [   ]

OK   Cancel

Query Result

Search by Author Name:

```sql
SELECT ISBN13,TITLE,NAME,BRANCH_ID FROM

(SELECT bk.ISBN13,bk.TITLE,auth.NAME,bkcp.BRANCH_ID
FROM project1_books bk
INNER JOIN project1_book_authors ba ON bk.ISBN13=ba.ISBN13
INNER JOIN project1_authors auth ON ba.AUTHOR_ID=auth.AUTHOR_ID
LEFT JOIN project1_book_copies bkcp ON bkcp.ISBN=bk.ISBN10
WHERE UPPER(auth.NAME) LIKE UPPER(CONCAT('%',CONCAT('&NAME','%')))
AND UPPER(bk.TITLE) LIKE UPPER(CONCAT('%',CONCAT('&TITLE','%')))
AND bk.ISBN13 LIKE CONCAT('%',CONCAT('&ISBN13','%'))
GROUP BY bk.ISBN13,bk.TITLE,auth.NAME,bkcp.BRANCH_ID);
```

REPORTS

top 10 popular books:

```sql
select * from

(select first_name,fine_amt from
(
select project1_fines.fine_amt, project1_borrower.first_name
from project1_book_loans
join project1_fines
on project1_book_loans.loan_id=project1_fines.loan_id
join project1_borrower
on project1_book_loans.card_no = PROJECT1_BORROWER.card_no
where project1_fines.paid='Yes'
and project1_book_loans.date_in between add_months(trunc(sysdate,'mm'),-1) and
add_months(trunc(sysdate,'mm'),0)
)
order by fine_amt desc)
where rownum<=10;
```

Outstanding fine:

```
Select d.branch_name, d.branch_id, sum(a.fine_amt) AS Outstanding_Fine_Amount

from project1_fines a,project1_book_loans b,project1_book_copies
c,project1_library_branch d where a.loan_id = b.loan_id AND b.book_id = c.book_id
AND c.branch_id = d.branch_id group by d.branch_name, d.branch_id order by
Outstanding_Fine_Amount DESC;
```

```
201   select a.card_no,b.isbn,title, branch_name,due_date from project1_book_loans a,
202   project1_borrower bo, project1_book_copies b, project1_books c
203   ,project1_library_branch d
204   where a.card_no=bo.card_no and a.book_id=b.book_id and b.isbn=c.isbn10 and
205   d.branch_id=b.branch_id
206   and due_date<(select sysdate from dual) and date_in is NULL;
207
208
209   Select d.branch_name, d.branch_id, sum(a.fine_amt) AS Outstanding_Fine_Amount
210   from project1_fines a,project1_book_loans b,project1_book_copies
211   c,project1_library_branch d where a.loan_id = b.loan_id AND b.book_id = c.book_id
212   AND c.branch_id = d.branch_id group by d.branch_name, d.branch_id order by
213   Outstanding_Fine_Amount DESC;
214
215
216   -------------------------------------------------------------------------------------
217   -------------------------------------------------------------------------------------
```

Query Result   Script Output   DBMS Output   Explain Plan   Autotrace   SQL History

Download ▼   Execution time: 0.094 seconds

	BRANCH_NAME	BRANCH_ID	OUTSTANDING_FINE_AMOUNT
1	Grauwyler Park	3	400
2	Audelia Road	5	400
3	Lakewood	2	400
4	Highland Hills	4	400
5	Oak Lawn	1	390