**::::Question**

**Q1: Create User.**

**Q2: Create Table for the given schema-**

user(*user\_id*, username,passeword, utype)

Book\_review(*r\_id*, review, user\_id, book\_id, comment)

Book(*book\_id*, title, price, author, publisher)

**Ans 2: Code of Table:** [Run the following code serially or **Create table manually**]

1

CREATE TABLE "BOOK"

( "BOOK\_ID" VARCHAR2(30),

"TITLE" VARCHAR2(30),

"PRICE" NUMBER,

"AUTHOR" VARCHAR2(30),

"PUBLISHER" VARCHAR2(30),

CONSTRAINT "BOOK\_PK" PRIMARY KEY ("BOOK\_ID")

USING INDEX ENABLE

)

/

2

CREATE TABLE "USERS"

( "USER\_ID" VARCHAR2(30),

"USERNAME" VARCHAR2(30),

"PASSWORD" VARCHAR2(30),

"UTYPE" VARCHAR2(30),

CONSTRAINT "USERS\_PK" PRIMARY KEY ("USER\_ID")

USING INDEX ENABLE

)

/

3

CREATE TABLE "BOOK\_REVIEW"

( "R\_ID" VARCHAR2(30),

"REVIEWS" VARCHAR2(30),

"USER\_ID" VARCHAR2(30),

"BOOK\_ID" VARCHAR2(30),

"COMMENTS" VARCHAR2(50),

CONSTRAINT "BOOK\_REVIEW\_PK" PRIMARY KEY ("R\_ID")

USING INDEX ENABLE

)

/

4

ALTER TABLE "BOOK\_REVIEW" ADD CONSTRAINT "BOOK\_REVIEW\_FK" FOREIGN KEY ("USER\_ID")

REFERENCES "USERS" ("USER\_ID") ENABLE

/

5

ALTER TABLE "BOOK\_REVIEW" ADD CONSTRAINT "BOOK\_REVIEW\_FK1" FOREIGN KEY ("BOOK\_ID")

REFERENCES "BOOK" ("BOOK\_ID") ENABLE

/

**Q3: Insert Data in the table (***Minimum 5 Row)*

**Q4:**

**01.Write a Pl/SQl program that will take inut from the BOOK database and will show the book details only if the book price is more than 500.**

**Ans 4- 01:**

Declare

Begin

for i in (

select \*

from book

)

Loop

IF i.price>500

then dbms\_output.put\_line(i.BOOK\_ID || ' ' || i.TITLE || ' ' || i.price);

End IF;

End Loop;

End;

**02.Write a Pl/SQl program to show the review of the books only if the book review is 'Positive'**

**Ans 4- 02:**

Declare

Begin

for i in (

select \*

from BOOK\_REVIEW

where REVIEWS='Positive'

)

Loop

dbms\_output.put\_line(i.R\_ID || ' ' || i.BOOK\_ID || ' ' || i.REVIEWS || ' ' || i.COMMENTS);

End Loop;

End;

**Ans 4- 02- or:**

Declare

Begin

for i in (

select \*

from BOOK\_REVIEW

)

Loop

IF i.REVIEWS='Positive' THEN

dbms\_output.put\_line(i.R\_ID || ' ' || i.BOOK\_ID || ' ' || i.REVIEWS || ' ' || i.COMMENTS);

END IF;

End Loop;

End;

**03.Write a SQl query to show the details of reviewed book by a user only if the user id and password matches for that user.**

**Ans 4- 03:**

SELECT \*

FROM BOOK

WHERE BOOK\_ID IN(SELECT BOOK\_ID

FROM BOOK\_REVIEW

WHERE USER\_ID= (SELECT USER\_ID

FROM USERS

WHERE USER\_ID= :id AND PASSWORD= :pass));

**04.Write a Pl/SQl program to show the list of users who whave reviewed same book as 'Salman'**

**Ans 4- 01:**

**Create VIEW (***Same as creating Table***)**

**Then write the following code on QUERY Box of View:**

SELECT R.R\_ID, R.USER\_ID, U.USERNAME, U.PASSWORD, REVIEWS, COMMENTS

FROM BOOK\_REVIEW R,USERS U

WHERE R.USER\_ID= U.USER\_ID

**Then Run the Pl/SQL Command:**

DECLARE

BEGIN

FOR i IN

(

SELECT \*

FROM ok

WHERE REVIEWS= ( SELECT REVIEWS

FROM ok

WHERE USERNAME= 'Salman'

)

)

LOOP

DBMS\_OUTPUT.PUT\_LINE(i.R\_ID || ' ' || i.USER\_ID || ' ' || i.USERNAME || ' ' || i.PASSWORD || ' ' || i.REVIEWS || ' ' || i.COMMENTS);

END LOOP;

END;

**Ans 4- 04- or:**

DECLARE

CURSOR ok IS

SELECT \*

FROM USERS

WHERE USER\_ID IN (SELECT USER\_ID

FROM BOOK\_REVIEW

WHERE BOOK\_ID IN(SELECT BOOK\_ID

FROM BOOK\_REVIEW

WHERE USER\_ID = (SELECT USER\_ID

FROM USERS

WHERE USERNAME = 'Salman')));

US ok%ROWTYPE;

BEGIN

OPEN ok;

LOOP

FETCH ok INTO US;

EXIT WHEN ok%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('USER NAME : '|| US.USERNAME);

DBMS\_OUTPUT.PUT\_LINE('USER ID : '|| US.USER\_ID);

DBMS\_OUTPUT.PUT\_LINE('USER PASSWORD : '|| US.PASSWORD);

DBMS\_OUTPUT.PUT\_LINE('USER TYPE : '|| US.UTYPE);

END LOOP;

CLOSE ok;

END;

*@****Sorowar\_Mahabub***