Day # 2 Assignments

Task / Problems:

1) **List all the books that are written by Author Loni and has price less then 600.**

A) SELECT * FROM BOOKS_506917 WHERE AUTHOR_NAME='LONI' AND COST < 600;

2) **List the Issue details for the books that are not returned yet.**

A) SELECT * FROM ISSUE_506917 WHERE RETURN_DATE IS NULL ;

3) **Update all the blank return_date with 31-Dec-06 excluding 7005 and 7006.**

A) UPDATE ISSUE_506917 SET RETURN_DATE='31-DEC-2017' WHERE LIB_ISSUE_ID=7001;
UPDATE ISSUE_506917 SET RETURN_DATE='31-DEC-2017' WHERE LIB_ISSUE_ID=7002;
UPDATE ISSUE_506917 SET RETURN_DATE='31-DEC-2017' WHERE LIB_ISSUE_ID=7003;
UPDATE ISSUE_506917 SET RETURN_DATE='31-DEC-2017' WHERE LIB_ISSUE_ID=7004;

4) **List all the Issue details that have books issued for more then 30 days**.

A) SELECT * FROM ISSUE_506917 WHERE (RETURN_DATE)-(ISSUE_DATE)>30;

5) **List all the books that have price in range of 500 to 750 and has category as Database.**

A)
FROM books_506917 WHERE cost BETWEEN 500 AND 750;

6) **List all the books that belong to any one of the following categories Science, Database, Fiction, Management.**

A)
SELECT * FROM BOOKS_506917 WHERE category in ('Science', 'Database', 'Fiction','Management');

7) **List all the members in the descending order of Penalty due on them.**

A)
SELECT * FROM member_506917 ORDER BY penalty_amount DESC;

8) **List all the books in ascending order of category and descending order of price.**

A)

```
select * from books_506917 order by category asc,cost desc;
```

9) **List all the books that contain word SQL in the name of the book.**

A)

```
select * from books_506917 where book_name like'%SQL%';
```

10) **List all the members whose name starts with R or G and contains letter I in it.**

A)

```
SELECT * FROM MEMBER_506917 where MEMBER_NAME like'R%'OR
MEMBER_NAME LIKE'G%' AND MEMBER_NAME LIKE '%I%';
```

11) **List the entire book name in Init cap and author in upper case in the descending order of the book name.**

A)

```
select initcap(author_name),upper(book_name) from books_506917
order by book_name desc;
```

12) **List the Issue Details for all the books issue by member 101 with Issue_date and Return Date in following format. 'Monday, July, 10, 2006'.**

```
SELECT TO_CHAR(ISSUE_date,
'DY/MON/DD/YYYY'),TO_CHAR(RETURN_DATE,'DY/MON/DD/YYYY')FROM
ISSUE_506917 WHERE LIB_ISSUE_ID=7001;
```

13) **List the data in the book table with category data displayed as D for Database, S for Science, R for RDBMS and O for all the others.**

A)

```
select
category,decode(category,'database','D','rdbms','R','science','S','others','O')
as types from books_506917;
```

14) **List all the members that became the member in the year 2006.**

A)

```
SELECT MEMBER_NAME FROM MEMBER_506917 WHERE
TO_CHAR(ACC_OPEN_DATE,'YY')=06;
```

15) **List the Lib_Issue_Id, Issue_Date, Return_Date and No of days Book was issued.**

A) SELECT LIB_ISSUE_ID,ISSUE_DATE,RETURN_DATE,(RETURN_DATE-ISSUE_DATE) AS NUMBER_OF_DAYS FROM ISSUE_506917;

16) **Find the details of the member of the Library in the order of their joining the library.**

A) select * from issue_506917 order by issue_date ;

17) **Display the count of total no of books issued to Member 101.**

A) SELECT SUM(MAX_BOOKS_ALLOWED) FROM MEMBER_506917 WHERE MEMBER_ID=1 ;

18) **Display the total penalty due for all the members.**

A) select sum(penalty_amount) from member_506917 ;

19) **Display the total no of members**

A) SELECT COUNT(MEMBER_NAME) FROM MEMBER_506917;

20) **Display the total no of books issued**

A) SELECT COUNT(LIB_ISSUE_ID) FROM ISSUE_506917;

21) **Display the average membership fees paid by all the members**

A) SELECT AVG(FEES_PAID) FROM MEMBER_506917;

22) **Display no of months between issue date and return date for all issue**

A) SELECT ROUND((RETURN_DATE-ISSUE_DATE)/30) FROM ISSUE_506917;

23) **Display the length of member's name**

A) SELECT LENGTH(MEMBER_NAME)AS LENGTH_OF_NAME FROM MEMBER_506917;

24) **Display the first 5 characters of membership_type for all members**

A) SELECT SUBSTR(MEMBERSHIP_TYPE,1,5) FROM MEMBER_506917;

25) **Display the last day of the issue date**

A) SELECT LAST_DAY(ISSUE_DATE) FROM ISSUE_506917;

26) **Using the regular expression function select name of book beginning with L**

A) SELECT BOOK_NAME FROM BOOKS_506917 WHERE REGEXP_LIKE(BOOK_NAME,'^L');

27) **Using regular expression replace using the string**

'We are driving south by south east', replace south by North in the above string

A) SELECT REGEXP_REPLACE('We are driving south by south east','south','north') FROM DUAL;

28) Display the member_name starting with R using regular expression

A) SELECT MEMBER_NAME FROM MEMBER_506917 WHERE REGEXP_LIKE(MEMBER_NAME,'^R');

29) Display the Book_name containing word SQL using regular expression

A) SELECT BOOK_NAME FROM BOOKS_506917 WHERE REGEXP_LIKE(BOOK_NAME,'SQL');

30) Display the Author_name starting with "L" from first position using regular expression

A) SELECT AUTHOR_NAME FROM BOOKS_506917 WHERE REGEXP_LIKE(AUTHOR_NAME,'^L');

31) Display the member_name containing "Ga" from first to second position using regular expression

A) SELECT MEMBER_NAME FROM MEMBER_506917 WHERE REGEXP_LIKE(MEMBER_NAME,'^Ga');

32) Replace the book_name "Mastering SQL" with "Advanced SQL" using regular expression

A) SELECT BOOK_NAME, REGEXP_REPLACE(BOOK_NAME,'Mastering SQL','Advanced SQL') FROM BOOKS_506917;

33) Replace the author_name "Scott Urman" with "Scott K Urman" using regular expression

A) SELECT AUTHOR_NAME, REGEXP_REPLACE(AUTHOR_NAME,'Scott Urman','Scott R Urman') FROM BOOKS_506917;

34) Display the value of book_name from position 1 to 5 containing "G" using the using regular expression

A) SELECT BOOK_NAME, REGEXP_SUBSTR(BOOK_NAME,'.....',1) FROM BOOKS_506917 WHERE REGEXP_LIKE(BOOK_NAME,'G');