Week 18 - Workshop tasks

Writing Basic SQL Select Statements

1. Display the structure of BOOKS table.

2. Display All the Titles with their respective paperbacks and prices from the BOOKS table.
3. Create a query to display the Publisher code, name and city with Publisher code appearing last. Also assign an understandable column name to all the columns.

4. Create a query to display unique Author number from the WRITTEN_BY table.
5. Create a query to display available stock of each book from INVENTORY table.

6. The following are the clauses of the SELECT statement:
    1. WHERE
    2. FROM
    3. ORDER BY

    In which order should they appear in a query?

    A. 1,2,3
    B. 2,1,3
    C. 2,3,1
    D. The order of these clauses does not matter.

7. Which of the clause in a query limits the rows selected?
    A. ORDER BY
    B. GROUP BY
    C. WHERE
    D. HAVING

8. What will happen if you query the Books table with the following statement?
    SELECT title, DISTINCT Publisher, Price FROM Books;
    A. TITLE, unique values of PUBLISHER and then PRICE are displayed.
    B. TITLE, unique values of the two columns, PUBLISHER and PRICE, are displayed.
    C. DISTINCT is not a valid keyword in SQL.
    D. No values will be displayed because the statement will return an error.

9. In the following SELECT statement which component is a literal?
    SELECT 'Publisher's Code:' || P_Code FROM Publisher;

    A. Publisher
    B. ||
    C. P_Code
    D. Publisher's Code

10. Write a SQL query to display the following output:

```
Todays Date is: 02-JUL-11
```

11. There are four coding errors in the following statement. Can you identify them?

```
SELECT B_Code, Title, Publisher
Price - Price x 12 / 100 PRICE WITH DISCOUNT
FROM Books;
```

12. *i*SQL *Plus allows the manipulation of values in the database. Is it TRUE/FALSE?
    If TRUE why? And if FALSE why?

13. Using PROJECTION capability in SQL helps to choose required rows in a table. Also we can apply some restriction on the rows that we see. Is it TRUE/FALSE. Give reason for your answer.

14. What will be the output for the following SELECT statement:

```
SELECT (24-3)*2/ (12+15) AS “Expression Output” FROM Dual;
```

    A. 38.5
    B. 18.5
    C. 1.555
    D. -21.5

15. The following SELECT statement executes successfully:

```
SELECT * FROM Books
```

    (TRUE / FALSE).