Working With DRL-Subqueries

Workbook

Answer the following

1. Write a query to retrieve 'Emp_Name' which starts with 'R' from "EMP" table. _____

2. The following query retrieves _____ records.

   `SELECT * FROM emp WHERE ename NOT LIKE 'A%';`

3. _____ is a SQL statement to retrieve employee names whose second letter is 'U' from "Emp" table.

4. Write a query to retrieve employee from "EMP" whose name ends with 'i'._____

5. Write a query to retrieve employees from "EMP" table whose salary is between 2000 and 5000._____

6. Write a query to retrieve records from "Emp" table where second letter of Country is 'O' and ends with 'ON'._____

7. Write a query to retrieve employees from "EMP" table whose empno is 7912, 7576, 7788._____

8. Write a query to retrieve "FirstName" column records from "Persons" table. _____

9. Write a query to retrieve "FirstName" column records from "Persons" table in descending order ._____

10. The result of a `SELECT` statement can contain duplicate rows. (True / False)

11. Write a query to retrieve the number of records from the "Persons" table _____

12. _____ keyword is used to retrieve unique values.

Exercises

- Write the expected output, or compiler errors if any, for each of the following programs.

Program 1

```
SQL> SELECT *FROM CHECKS;

CHECK#   PAYEE                AMOUNT   REMARKS
-------- -------------------- -------- ------------------
       1 Ma Bell                  150 Have sons next time
       2 Reading R.R.          245.34 Train to Chicago
       3 Ma Bell               200.32 Cellular Phone
       4 Local Utilities           98 Gas
       5 Joes Stale $ Dent        150 Groceries
      16 Cash                      25 Wild Night Out
      17 Joans Gas               25.1 Gas
7 rows selected.
```

Q1: Write a query to find all the checks with a value of more than 100 dollars?

Q2: What will be the output of the following query ?
```
UPDATE CHECKS SET AMOUNT = (select max (AMOUNT) from CHECKS
where CHECK# = 4);
```

Program 2

```
SQL> SELECT *FROM CHECKS;

CHECK#   PAYEE                AMOUNT   REMARKS
-------- -------------------- -------- ------------------
       1 Ma Bell                  150 Have sons next time
       2 Reading R.R.          245.34 Train to Chicago
       3 Ma Bell               200.32 Cellular Phone
       4 Local Utilities           98 Gas
       5 Joes Stale $ Dent        150 Groceries
      16 Cash                      25 Wild Night Out
      17 Joans Gas               25.1 Gas
7 rows selected.
```

Q1: What will be the output of the query given below?
```
SELECT amount FROM checks;
```

Q2: What will be the output of the following query?
```
SELECT DISTINCT amount FROM checks;
```

Q3: What will be the output of the query given below?
```
SELECT ALL amount FROM checks;
```

Q4: What will be the output of the query given below?
```
SELECT * FROM checks WHERE check# = 16;
```

Program 3

```
SQL> SELECT *FROM CUSTOMERS;

CUSTOMER_ID  CUSTOMER_NAME         CITY
------------ --------------------- ------
1            Alfreds Futterkiste   Berlin
2            Ana Trujillo          Mexico
3            Antonio Moreno        Mexico
4            Around the Horn       London
5            Berglunds snabbkp     Lulea
5 rows selected.
```

Q1: Write a query to select all customers with a CITY starting with the letter "M"?

Q2: Write a query to select all customers with a CITY ending with the letter "N"?

Q3: What will be the output of the query given below?
```
SELECT * FROM CUSTOMERS WHERE CITY LIKE '%e%';
```

Q4: What will be the output of the query given below?
```
SELECT * FROM CUSTOMERS WHERE Customer_Name LIKE 'A%';
```