Parul University

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PIET_Oracle DBMS_Course

PIET_Oracle DBMS_Session 5_COD

Attempt : 2
Total Mark : 50
Marks Obtained : 50

Section 1 : Coding

1. Problem Statement:

Sarah is building a customer management system for a retail company. She needs to retrieve customer information based on certain patterns in their names and city.

Table Details:

Symbol refers to the primary key

Symbol refers to the Foreign key

NN refers to Not NULL

Sample Input Records:

You need to:

Display all customers whose name starts with 'M'.Display all customers whose name ends with 'L'.Display all loan details whose branch starts with 'A'.Display the details of sailors whose name is minimum 6 characters long.

Answer

oracle.sql

SELECT * FROM CUSTOMERS WHERE CUSTOMER_NAME LIKE 'M%';

SELECT * FROM CUSTOMERS WHERE CUSTOMER_NAME LIKE 'L%';

SELECT * FROM LOANS WHERE BRANCH_NAME LIKE 'A%';

SELECT * FROM SAILORS WHERE LENGTH(SAILOR_NAME) >= 6;

Status : Correct   *Marks : 10/10*

2. Problem Statement:

Jack needs to manage loan records for a bank. He needs to filter loan information based on certain conditions, such as branch name and the length of the sailor's name.

Table Details:

 Symbol refers to the primary key

 Symbol refers to the Foreign key

NN refers to Not NULL

Sample Input Records:

You need to:

Display the details of clients whose pin code starts with '4'.List the details of the boat ending with 'e'.List client names and city whose state has 'a' as the fourth or fifth character.Display the details of clients whose name contains 'h' as the 3rd character

Answer

oracle.sql

SELECT * FROM LOANS WHERE PIN_CODE LIKE '4%';

SELECT * FROM BOATS WHERE BOAT_NAME LIKE '%E';

SELECT CLIENT_NAME, CITY FROM CLIENTS WHERE STATE LIKE '___A%' OR STATE LIKE '____A%';

SELECT * FROM CLIENTS WHERE CLIENT_NAME LIKE '__H%';

Status : Correct   *Marks : 10/10*

3. Problem Statement:

Sarah is building an employee and customer management system. She needs to retrieve employee and customer information based on certain conditions, such as address and city patterns.

Table Details:

Symbol refers to the primary key

Symbol refers to the Foreign key

NN refers to Not NULL

Sample Input Records:

You need to:

Display the details of employees whose address starts with 'S'.List all customers whose city contains 'a' as the second character.Display the details of clients whose name contains 'h' as the 3rd character.List all employees whose name starts with 'J

Answer

oracle.sql

SELECT * FROM EMPLOYEES WHERE ADDRESS LIKE 'S%';

SELECT * FROM CUSTOMERS WHERE CITY LIKE '_A%';

SELECT * FROM CLIENTS WHERE CLIENT_NAME LIKE '__H%';

SELECT * FROM EMPLOYEES WHERE NAME LIKE 'J%';

Status : Correct   *Marks : 10/10*

4. Problem Statement:

Sarah is working on a customer management system. The system stores employee, customer, and client data, and Sarah needs to retrieve and analyze this data based on certain patterns.

Table Details:

 Symbol refers to the primary key

 Symbol refers to the Foreign key

NN refers to Not NULL

Sample Input Records:

You need to:

Retrieve the details of all employees whose salary is greater than 50,000.List all customers whose city starts with "L".Display the clients whose city is either "MIAMI" or "NEW YORK".Retrieve all employees who have a name starting with "C" and whose address contains the word "STREET".

Answer

oracle.sql

SELECT * FROM EMPLOYEES WHERE SALARY > 50000;

SELECT * FROM CUSTOMERS WHERE CITY LIKE 'L%';

SELECT * FROM CLIENTS WHERE CITY IN ('MIAMI', 'NEW YORK');

SELECT * FROM EMPLOYEES WHERE NAME LIKE 'C%' AND ADDRESS LIKE '%STREET%';

Status : Correct   *Marks : 10/10*

5. Problem Statement:

Alex is working on a student and course management system. The system stores data about students, courses, and registrations. Alex needs to retrieve and analyze student data, course information, and the course registrations based on specific patterns.

Table Details:

  Symbol refers to the primary key

  Symbol refers to the Foreign key

NN refers to Not NULL

Sample Input Records:

You need to:

List all students whose name starts with the letter "J".Retrieve all courses whose name contains the word "MATH".List all students whose name contains the letter "A" at the 2nd position.Retrieve all courses whose name ends with "ART".

Answer

oracle.sql

SELECT NAME FROM STUDENTS WHERE NAME LIKE 'J%';

SELECT COURSE_NAME FROM COURSES WHERE COURSE_NAME LIKE '%MATH %';

SELECT NAME FROM STUDENTS WHERE NAME LIKE '_A%';

SELECT COURSE_NAME FROM COURSES WHERE COURSE_NAME LIKE '%ART';

Status : Correct   *Marks : 10/10*