

Parul University

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Batch: 2028

Degree: B.Tech - CSE

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PIET_Oracle DBMS_Course

PIET_Oracle DBMS_Session 6_COD

Attempt : 1

Total Mark : 50

Marks Obtained : 50

Section 1 : COD

1. Problem Statement:

Alex is managing the bank's deposit and loan system. He needs to retrieve the total deposit and maximum loan details from the database.

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 total deposit from deposit. Give maximum loan given to a customer.

Answer

oracle.sql

```
SELECT SUM(AMOUNT) FROM DEPOSIT;  
SELECT MAX(LOAN_AMOUNT) FROM LOANS;
```

Status : Correct

Marks : 10/10

2. Problem Statement:

David needs to retrieve the average age of sailors and the total number of customers in the database.

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:

Describe the average age of all the sailors. Count total number of customers.

Answer

oracle.sql

```
SELECT AVG(AGE) FROM SAILORS;  
SELECT COUNT(*) FROM CUSTOMERS;
```

Status : Correct

Marks : 10/10

3. Problem Statement:

Sophia needs to manage employee salary updates and client city changes for her company. She needs to retrieve data regarding employee salary hikes and update city information for clients.

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:

Update the salary of the employee having 10000 to 11500, and display the table. Update the city of the client from Bangalore to Bengaluru, and display the table.

Answer

oracle.sql

```
UPDATE EMPLOYEES SET SALARY = 11500 WHERE SALARY = 10000;
```

```
SELECT * FROM EMPLOYEES;
```

```
UPDATE CLIENTS SET CITY = 'BENGALURU' WHERE CITY = 'BANGALORE';
```

```
SELECT * FROM CLIENTS;
```

Status : Correct

Marks : 10/10

4. Problem Statement:

Sophia is tasked with managing employee salaries and adjusting product prices. She needs to calculate new salary values for employees and adjust product prices without updating the original values in the database.

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:

Give a 15% hike in the salary of all the Employees. Display the new column as "New Salary". (Do not update the table) Increase the sell price of all products by 20% and label the new column as "New Sell Price". (Do not update the table)

Answer

oracle.sql

```
SELECT NAME , SALARY, SALARY * 1.15 AS "NEW SALARY" FROM EMPLOYEES;  
SELECT PRODUCT_NAME, SELL_PRICE, SELL_PRICE * 1.20 "NEW SELL PRICE"  
FROM PRODUCTS;
```

Status : Correct

Marks : 10/10

5. Problem Statement:

Daniel is managing a customer and salesman database for his company. He needs to retrieve data related to the number of unique cities, total target for salesmen, and the number of customers residing in Bombay.

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:

Count total number of customer's cities. Display total target for the salesman. Provide the count of customers staying in "Bombay".

Answer

oracle.sql

```
SELECT COUNT (DISTINCT CITY) FROM CUSTOMERS;  
SELECT SUM (TARGET) FROM SALESMEN;  
SELECT COUNT (*) FROM CUSTOMERS WHERE CITY = 'BOMBAY';
```

Status : Correct

Marks : 10/10