

# Parul University

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Batch: 2028

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## PIET\_Oracle DBMS\_Course

### PIET\_Oracle DBMS\_Session 4\_CY

Attempt : 2

Total Mark : 50

Marks Obtained : 50

#### **Section 1 : COD**

##### **1. Problem Statement:**

Samantha is managing an e-commerce database, where she tracks the details of clients and products. She needs to describe the structure of the tables related to clients and products to understand the column details and constraints. Additionally, she needs to retrieve certain records to verify the data inserted.

Table Details:

Sample Input Records:

You need to:

List the names of clients whose balance is greater than 4000. List the

product names in the 'ELECTRONICS' category. Describe the structure of the CLIENTS table to understand its column details and constraints. Describe the structure of the PRODUCTS table to verify the column information and constraints.

**Answer**

oracle.sql

```
SELECT NAME FROM CLIENTS WHERE BALANCE > 4000;
```

```
SELECT NAME FROM PRODUCTS WHERE CATEGORY = 'ELECTRONICS';
```

```
DESC CLIENTS;
```

```
DESC PRODUCTS;
```

**Status :** Correct

**Marks :** 10/10

**2. Problem Statement:**

Raam is managing a maritime database for a shipping company, where he tracks the details of sailors and boats. He needs to describe the structure of the tables related to sailors and boats to understand the column details and constraints. Additionally, he needs to retrieve certain records to verify the data inserted.

**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 the sailors who have a rating greater than 7. Find the capacity of each boats from BOATS table. List the names of sailors who are either from Mumbai or Kolkata.

**Answer**

oracle.sql

```
SELECT NAME FROM SAILORS WHERE RATING > 7;
```

```
SELECT CAPACITY FROM BOATS;
```

```
SELECT NAME FROM SAILORS WHERE CITY IN ('MUMBAI','KOLKATA');
```

**Status :** Correct

**Marks :** 10/10

### 3. Problem Statement:

Rajesh is managing an e-commerce system where he needs to track order details and product information. He needs to describe the structure of the tables related to orders and products to understand the column details and constraints. Additionally, he needs to retrieve certain records to verify the data inserted.

Table Details:

Sample Input Records:

You need to:

List all orders where the quantity ordered is greater than 50. Find the total number of products in the 'ELECTRONICS' category. Describe the structure of the ORDERS table to understand its column details and constraints. Find the most expensive product (based on cost price).

**Answer**

oracle.sql

```
SELECT * FROM ORDERS WHERE QUANTITY > 50;
```

SELECT COUNT(\*) FROM PRODUCTS WHERE CATEGORY = 'ELECTRONICS';

DESC ORDERS;

SELECT NAME, COST\_PRICE FROM PRODUCTS WHERE COST\_PRICE = (SELECT MAX(COST\_PRICE) FROM PRODUCTS);

**Status : Correct**

**Marks : 10/10**

#### 4. Problem Statement:

Raam is managing a banking system where he needs to track deposits and account information. He needs to describe the structure of the tables related to deposits and accounts to understand the column details and constraints. Additionally, he needs to retrieve certain records to verify the data inserted.

Table Details:

Sample Input Records:

You need to

List all accounts with a balance greater than 5000. Find the total amount of deposits made by each client. Describe the structure of the DEPOSITS table to understand its column details and constraints. List all the accounts created in the month of January.

**Answer**

oracle.sql

SELECT \* FROM ACCOUNTS WHERE BALANCE > 5000;

SELECT A.CLIENT\_NAME, D.AMOUNT FROM ACCOUNTS A, DEPOSITS D WHERE A.ACCOUNT\_ID = D.ACCOUNT\_ID;

DESC DEPOSITS;

SELECT A.\* FROM ACCOUNTS A, DEPOSITS D

```
WHERE A.ACCOUNT_ID = D.ACCOUNT_ID  
AND D.DEPOSIT_DATE >= TO_DATE('01-JAN-98', 'DD-MON-YY')  
AND D.DEPOSIT_DATE < TO_DATE('01-FEB-98', 'DD-MON-YY');
```

**Status :** Correct

Marks : 10/10

## 5. Problem Statement:

Samantha is managing an e-commerce database, where she tracks the details of clients and products. She needs to describe the structure of the tables related to clients and products to understand the column details and constraints. Additionally, she needs to retrieve certain records to verify the data inserted.

## Table Details:

Symbol refers to the primary key

## Sample Input Records:

You need to:

List the product names that are in the 'CLOTHING' category and have a quantity greater than 100. Find the balance of clients whose balance is less than 5000. Describe the structure of the CLIENTS table to understand its column details and constraints. List all the products with a cost price between 300 and 500.

## **Answer**

oracle.sql

```
SELECT NAME FROM PRODUCTS WHERE CATEGORY = 'CLOTHING' AND QUANTITY_IN_STOCK > 100;
```

```
SELECT BALANCE FROM CLIENTS WHERE BALANCE < 5000;
```

## DESC CLIENTS;

**SELECT NAME FROM PRODUCTS WHERE COST\_PRICE BETWEEN 300 AND 500;**

**Status : Correct**

**Marks : 10/10**