# Parul University

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## PIET_Oracle DBMS_Course

## PIET_Oracle DBMS_Session 4_PAH

Attempt : 1
Total Mark : 60
Marks Obtained : 60

## Section 1 : COD

1. Problem Statement:

John is building a library management system. He needs to retrieve the structure of the BOOKS and BORROWERS tables, along with some information about the books and borrowers.

Table Details:

Sample Input Records:

You need to:

Describe the structure of the BOOKS table.Describe the structure of the BORROWERS table.List all books where the title contains the word "The".List all borrowers who joined after 2020.

***Answer***

*oracle.sql*

```
DESC BOOKS;

DESC BORROWERS;

SELECT * FROM BOOKS WHERE TITLE LIKE '%THE%';

SELECT * FROM BORROWERS WHERE MEMBERSHIP_DATE >
TO_DATE('2020-12-31', 'YYYY-MM-DD');
```

***Status :*** Correct ***Marks : 10/10***

2. Problem Statement:

Anna is managing an employee system for her company. She wants to retrieve employee and department information.

Table Details:

Sample Input Records:

You need to:

Describe the structure of the EMPLOYEES table.Describe the structure of the DEPARTMENTS table.List all employees whose salary is greater than 50000.List all employees who joined before 2020.

***Answer***

*oracle.sql*

```
DESC EMPLOYEES;

DESC DEPARTMENTS;

SELECT * FROM EMPLOYEES WHERE SALARY > 50000;

SELECT * FROM EMPLOYEES WHERE JOIN_DATE < TO_DATE('2020-01-01',
'YYYY-MM-DD');
```

***Status :*** Correct ***Marks : 10/10***

3. Problem Statement:

Tom is building a simple customer order management system and needs to view the order data and customer details.

Table Details:

Sample Input Records:

You need to:

Describe the structure of the ORDERS table.Describe the structure of the CUSTOMERS table.List all orders with the status "Shipped".List all customers whose names start with 'S'.

***Answer***

*oracle.sql*

```
DESC ORDERS;

DESC CUSTOMERS;

SELECT * FROM ORDERS WHERE ORDER_STATUS = 'SHIPPED';

SELECT * FROM CUSTOMERS WHERE CUSTOMER_NAME LIKE 'S%';
```

***Status :*** Correct ***Marks : 10/10***

4. Problem Statement:

Sam is managing an online store's product catalog and needs to retrieve product details and inventory information.

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 structure of the PRODUCTS table.Describe the structure of the INVENTORY table.List all products with a price greater than 100.List all inventory records with a location of "Warehouse".

***Answer***

*oracle.sql*

```
DESC PRODUCTS;

DESC INVENTORY;

SELECT * FROM PRODUCTS WHERE PRICE > 100;

SELECT * FROM INVENTORY WHERE LOCATION = 'WAREHOUSE';
```

***Status :*** Correct ***Marks : 10/10***

5. Problem Statement:

Lily is managing the student records for a school system and needs to retrieve student and class data.

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 structure of the STUDENTS table.Describe the structure of the CLASSES table.List all students who are 15 years old.List all classes that have a teacher named 'Ms. Smith'.

***Answer***

*oracle.sql*

```
DESC STUDENTS;

DESC CLASSES;

SELECT * FROM STUDENTS WHERE AGE = 15;

SELECT * FROM CLASSES WHERE TEACHER_NAME = 'MS. SMITH';
```

***Status :*** Correct ***Marks : 10/10***

6. Problem Statement:

Jack is managing an inventory system for a store and needs to retrieve item and location information.

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 structure of the ITEMS table.Describe the structure of the LOCATIONS table.List all items that have a quantity less than 30.List all locations in the city of 'New York'.

***Answer***

*oracle.sql*

```
DESC ITEMS;

DESC LOCATIONS;

SELECT * FROM ITEMS WHERE QUANTITY < 30;

SELECT * FROM LOCATIONS WHERE CITY = 'NEW YORK';
```

***Status :*** Correct ***Marks : 10/10***