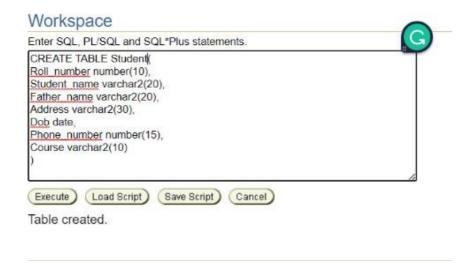
# **PROBLEM STATEMENT:** Create the following table Student

Field Name	Data type	size
Roll_number	Number	10
Student_name	Varchar2	20
Father_name	Varchar2	20
Address	Varchar2	30
Dob	Date	
Phone_number	Number	15
Course	Varchar2	10

#### **QUERY:**



# **PROBLEM STATEMENT:** Insert the following data into Student table

Roll_num ber	Student_n ame	Father_na me	Address	Dob	Phone_nu mber	Coures
101	Ankit	Samir	Dehradun	1-mar-97	98987722 12	MCA
102	Sam	Jatin	Delhi	7-apr-99	22222909 09	MScIT
103	Megha	Mayank		5-may-99	44333090 99	MCA
104	Deepak	Dhiren	Meerut	10-aug-99	22344556 44	BTech
105	Ashish	Viraj	Dehradun		12345667 89	MCA

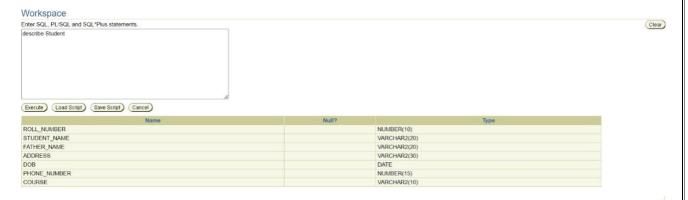
# **QUERY:**



**PROBLEM STATEMENT:** Describe the structure of the Student table

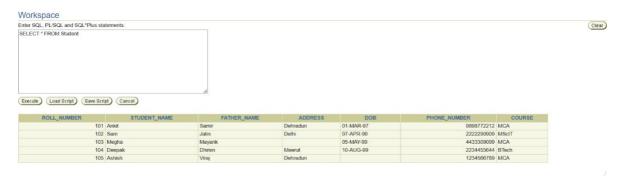
## **QUERY:**

#### **OUTPUT:**



**PROBLEM STATEMENT**: Retrieve the content of the Student Table

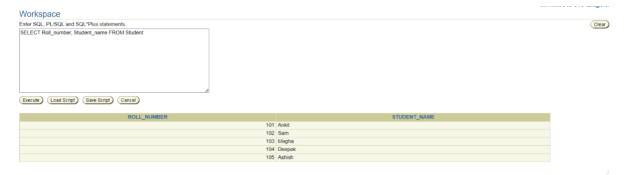
#### **QUERY:**



**PROBLEM STATEMENT**: Retrieve only Roll\_number, Student\_name from Student Table.

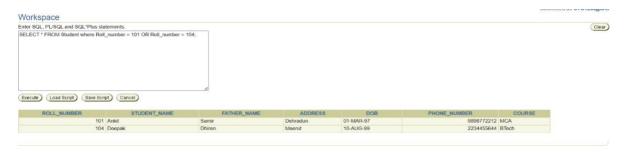
## **QUERY:**

## **OUTPUT:**



**PROBLEM STATEMENT**: Display data of student members who have roll number 101 or 104.

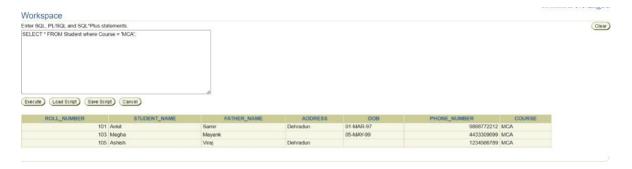
# **QUERY:**



**PROBLEM STATEMENT**: Display all details of MCA members only.

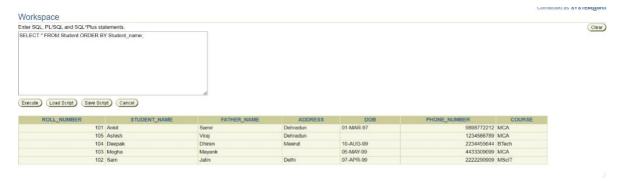
**QUERY:** 

# **OUTPUT:**



**PROBLEM STATEMENT**: Display data of students alphabetical order.

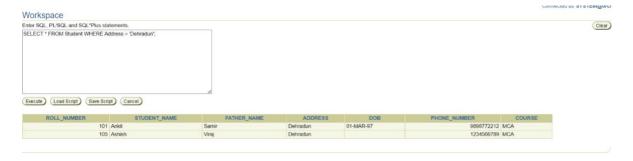
**QUERY:** 



**PROBLEM STATEMENT**: Display the student who live in Dehradun.

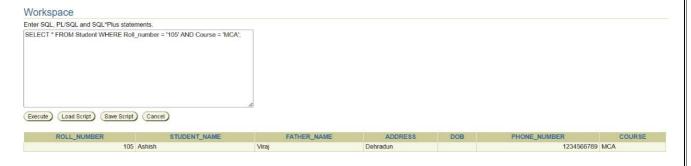
**QUERY:** 

#### **OUTPUT:**



**PROBLEM STATEMENT**: Display the data of student who have roll no 105 and studied in MCA course.

#### **QUERY:**



**PROBLEM STATEMENT**: Display the Rollno, name & father name concatenated with the column heading Student Information.

# **QUERY:**

#### **OUTPUT:**



**PROBLEM STATEMENT**: Retrieve the current date (sysdate).

# **QUERY:**

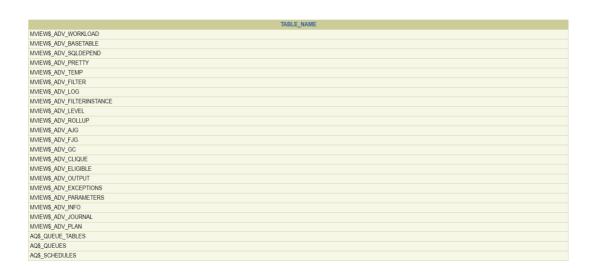


**PROBLEM STATEMENT**: Retrieve the list of all table in your user (tab).

## **QUERY:**

# **OUTPUT:**

# Workspace Enter SQL, PL/SQL and SQL\*Plus statements. SELECT table\_name FROM user\_tables Execute Load Script Save Script Cancel



Next Page

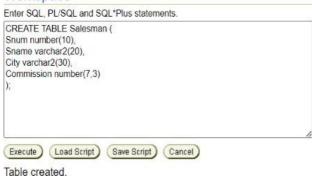
# **PROBLEM STATEMENT**: Create the following table Salesman.

Field Name	Data_type	size
Snum	Number	10
Sname	varchar2	20
City	Varchar2	20
Commission	Number	7,3

# **QUERY:**

# **OUTPUT:**

#### Workspace



# **PROBLEM STATEMENT:** Insert the following data into Salesman.

SNUM	SNAME	CITY	COMMISSION
1001	Piyush	London	12
1002	Sejal	Surat	13
1004	Miti	London	11
1007	Rajesh	Baroda	15
1003	Anand	New Delhi	10

# **QUERY:**

# **OUTPUT:**

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

INSERT ALL
INTO Salesman VALUES (1002, 'Sejal', 'Sural', 13)
INTO Salesman VALUES(1003, 'Mitti', 'London', 11)
INTO Salesman VALUES(1007, 'Rajesh', 'Baroda', 15)
INTO Salesman VALUES(1003, 'Anand', 'New Delhi', 10)
SELECT \* FROM Dual;

Execute Load Script Save Script Cancel

4 rows created.

... ... ... ...

# **PROBLEM STATEMENT**: Create the following table Customer.

Field name	Data type	size
Cnum	Number	7
Cname	Varchar2	20
City	Varchar2	30
Rating	Number	5
Snum	Number	10

# **QUERY:**

# **OUTPUT:**

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

CREATE TABLE Customer (
Cnum number(7),
Cname varchar2(20),
City varchar2(30),
Rating number(5),
Snum number(10)
);

Execute Load Script Save Script Cancel

Table created.

# **PROBLEM STATEMENT:** Insert the following data into Customer.

CNUM	CNAME	CITY F	RATING	SNUM
2001	Harsh	London	100	1001
2002	Gita	Rome	200	1003
2003	Lalit	Surat	200	1002
2004	Govind	Bombay	300	1002
2006	Chirag	London	100	1001
2008	Chinmay	Surat	300	1007
2007	Pratik	Rome	100	1004

#### **QUERY:**

# **OUTPUT:**

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

INSERT ALL
INTO Customer VALUES (2001, 'Harsh', 'London', 100, 1001)
INTO Customer VALUES (2002, 'Gita', 'Rome', 200, 1003)
INTO Customer VALUES (2003, 'Lalit', 'Surat', 200, 1002)
INTO Customer VALUES (2004, 'Govind', 'Bombay', 300, 1002)
INTO Customer VALUES (2006, 'Chirag', 'London', 100, 1001)
INTO Customer VALUES (2008, 'Chinmay', 'Surat', 300, 1007)
INTO Customer VALUES (2007, 'Pratik', 'Rome', 100, 1004)
SELECT \* FROM Dual;

7 rows created.

# **PROBLEM STATEMENT:** Create the following table Order1.

Field Name	Data type	Size
Onum	Number	10
Amount	Number	10,3
Odate	date	
Cnum	Number	10
Snum	Number	10

# **QUERY:**

# **OUTPUT:**

# Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

CREATE TABLE ORDER1 (
Onum number(10),
Amount number(10,3),
Odate DATE,
Cnum number(10),
Snum number(10)
);

Execute Load Script Save Script Cancel

Table created.

# **PROBLEM STATEMENT**: Insert the following data into Order1.

ONUM	AMOUNT	ODATE	CNUM	SNUM
3001	18.69	10/03/97	2008	1007
3003	767.19	10/03/97	2001	1001
3002	1900.10	10/03/97	2007	1004
3005	5160.45	10/03/97	2003	1002
3006	1098.16	10/03/97	2008	1007
3009	1713.23	10/04/97	2002	1003
3007	75.75	10/04/97	2004	1002

#### **QUERY:**

# **OUTPUT:**

## Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

INSERT ALL
INTO Order1 VALUES (3003, 767.19, DATE '1997-03-10', 2001, 1001)
INTO Order1 VALUES (3002, 1900.10, DATE '1997-03-10', 2007, 1004)
INTO Order1 VALUES (3005, 5160.45, DATE '1997-03-10', 2003, 1002)
INTO Order1 VALUES (3006, 1098.16, DATE '1997-03-10', 2008, 1007)
INTO Order1 VALUES (3009, 1713.23, DATE '1997-04-10', 2002, 1003)
INTO Order1 VALUES (3007, 75.75, DATE '1997-04-10', 2004, 1002)
SELECT \* FROM Dual;



6 rows created.

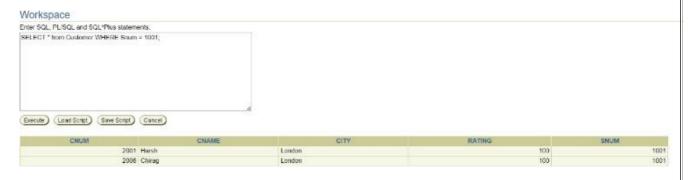
<u>PROBLEM STATEMENT</u>: Produce the order no, amount and date of all orders.
<u>QUERY:</u>

# **OUTPUT:**



**PROBLEM STATEMENT**: Give all the information about the customers with salesman number 1001.

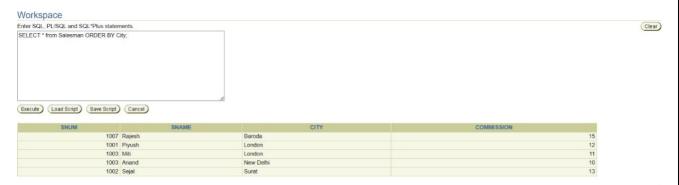
# **QUERY:**



**PROBLEM STATEMENT**: Display the following information in the order of city, sname, snum and commission.

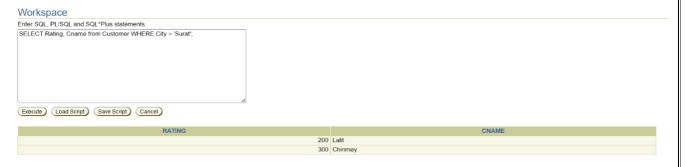
## **QUERY:**

# **OUTPUT:**



**PROBLEM STATEMENT**: List of rating followed by the name of each customer in Surat.

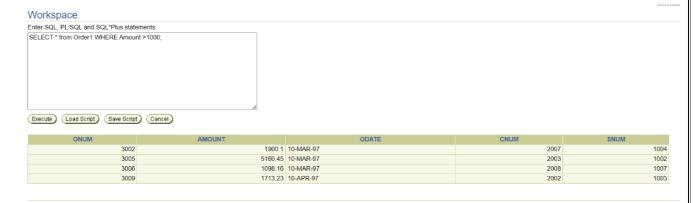
#### **QUERY:**



**PROBLEM STATEMENT**: List of all orders for more than Rs. 1000.

**QUERY:** 

#### **OUTPUT:**



**PROBLEM STATEMENT**: List of snum of all salesmen with orders in order table without any duplicates.

## **QUERY:**



**PROBLEM STATEMENT**: List of names and cities of all salesmen in London with commission above 10%.

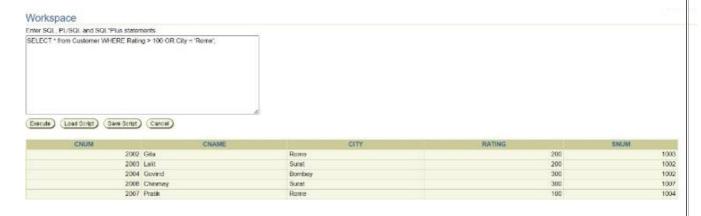
#### **QUERY:**

# **OUTPUT:**



**PROBLEM STATEMENT**: List all customers excluding those with rating <= 100 unless they are located in Rome.

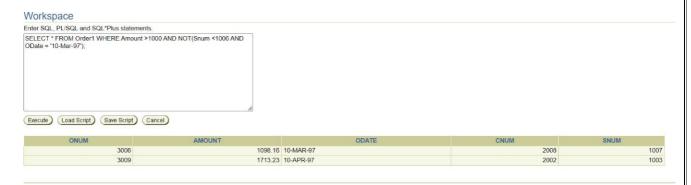
#### **QUERY:**



**PROBLEM STATEMENT**: List all orders for more than Rs.1000 except the orders of snum<1006 of 10/03/97.

#### **QUERY:**

## **OUTPUT:**



**PROBLEM STATEMENT**: List all orders taken on March 3rd or 4th or 10th, 1997.

# **QUERY:**



**PROBLEM STATEMENT**: Display the cname and city together with the alias name of the column as customer information.

#### **QUERY:**

## **OUTPUT:**



**PROBLEM STATEMENT**: Display the supplier name 'belongs to' city with the column heading supplier information.

#### **QUERY:**



**PROBLEM STATEMENT**: Display the information of all orders in ascending order of amount of the order.

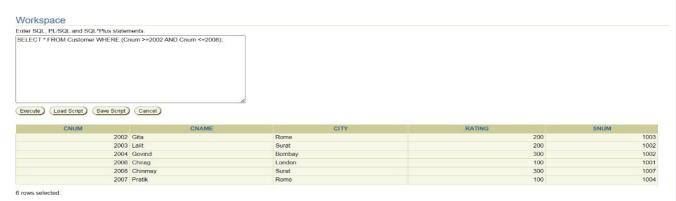
#### **QUERY:**

#### **OUTPUT:**



**PROBLEM STATEMENT**: Display the information of all the customers with the cnum greater than equal to 2002 and less than equal to 2008.

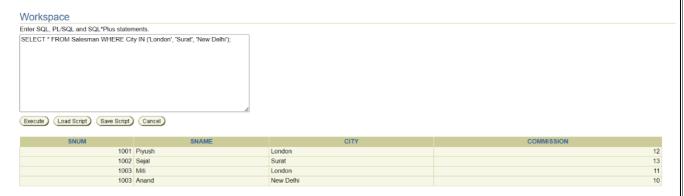
# **QUERY:**



**PROBLEM STATEMENT**: Display the information of all supplier who belongs either to london, surat or new delhi.

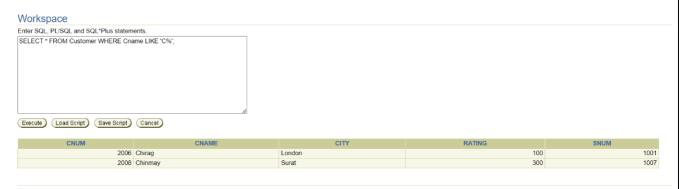
#### **QUERY:**

#### **OUTPUT:**



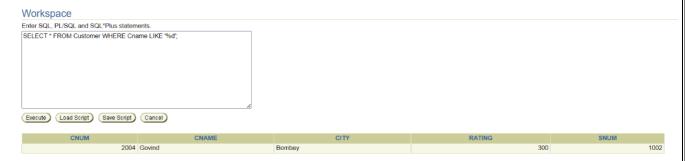
**PROBLEM STATEMENT**: Display the name of all customers whose name starts with C.

## **QUERY:**



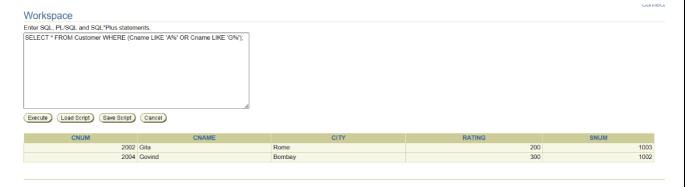
PROBLEM STATEMENT: List all customers whose names ends with a letter 'd'.
QUERY:

## **OUTPUT:**



**PROBLEM STATEMENT**: List all customers whose names begins with letter 'A' or 'G'.

## **QUERY:**



**PROBLEM STATEMENT**: List all orders with NULL amount.

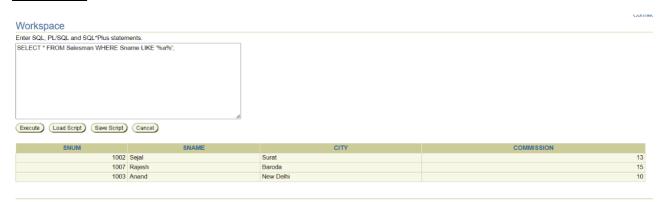
**QUERY:** 

### **OUTPUT:**



**PROBLEM STATEMENT**: List all the salesman whose name include letter 'a' in their name.

#### **QUERY:**



# **PROBLEM STATEMENT**: Create Course Table with following constraints.

Field Name	Data type	Constraints
Course Code	Number	Primary Key
Course Name	varchar2	Not Null
Course Fees	number	Default value 60000
Course semester	Number	>=1
Dept	Varchar2	Not null

# **QUERY:**

# **OUTPUT:**

#### Workspace

```
Enter SQL, PL/SQL and SQL*Plus statements.

CREATE TABLE Course (
    Course_Code number(10) PRIMARY KEY,
    Course_Name varchar2(20) NOT NULL,
    Course_Fees number(20) DEFAULT 60000,
    Course_Semester number(20),
    Dept varchar2(30) NOT NULL,
    CHECK (Course_Semester >=1)
);

Execute Load Script Save Script Cancel
```

Table created.

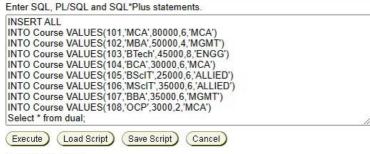
# **PROBLEM STATEMENT**: Insert following data into Course table.

COURSECODE	COURSENAME	COURSEFEES	COURSESEMESTER	DEPT
	101 MCA	80000	6MC	A
	102 MBA	50000	4 MG	MT
	103 Btech	45000	8 ENC	3G
	104BCA	30000	6MC	A
	105 BSCIT	25000	6 ALL	JED
	106MSCIT	35000	6 ALL	JED
	107BBA	35000	6 MG	MT
	108OCP	3000	2 MC	A

## **QUERY:**

## **OUTPUT:**

#### Workspace



8 rows created.

# **PROBLEM STATEMENT**: Create a 'Student' table with following constraints.

Field name	Data types	Contraints
Roll No	Number	Primary key
Name	Varchar2	Not Null
DOB	date	
City	Varchar2	Default 'Dehradun'

## **QUERY:**

# **OUTPUT:**

#### Workspace

```
Enter SQL, PL/SQL and SQL*Plus statements.

CREATE TABLE Student1(
Roll_no number(10) PRIMARY KEY,
Name varchar2(20) NOT NULL,
Dob DATE,
City varchar2(30) DEFAULT 'Dehradun'
);

Execute Load Script Save Script Cancel

Table created.
```

# **PROBLEM STATEMENT**: Insert the following data into Student Table.

Roll no	Name	DOB	City
1	Amit	1-Jan-77	Bombay
2	Rohit	11-Sep-78	Dehradun
3	Shweta	21-Feb-81	Dehradun
4	Puneet	5-Aug-72	Goa
5	Shashwat	7-Aug-70	Haridwar

# **QUERY:**

# **OUTPUT:**

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

INSERT ALL
INTO Student\_1 VALUES (1, 'Amit', '01-Jan-1977', 'Bombay')
INTO Student\_1 VALUES (2, 'Rohit', '11-Sep-1978', 'Dehradun')
INTO Student\_1 VALUES (3, 'Shwela', '21-Feb-1981', 'Dehradun')
INTO Student\_1 VALUES (4, 'Puneet', '05-Aug-1972', 'Goa')
INTO Student\_1 VALUES (5, 'Shashwat', '07-Aug-1970', 'Haridwar')
SELECT \* FROM Dual;



5 rows created.