

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 :

OUTPUT:

Workspace

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

```
CREATE TABLE Student(  
Roll_number number(10),  
Student_name varchar2(20),  
Father_name varchar2(20),  
Address varchar2(30),  
Dob date,  
Phone_number number(15),  
Course varchar2(10)  
)
```

Execute

Load Script

Save Script

Cancel

Table created.

PROBLEM STATEMENT: Insert the following data into Student table

Roll_number	Student_name	Father_name	Address	Dob	Phone_number	Coures
101	Ankit	Samir	Dehradun	1-mar-97	9898772212	MCA
102	Sam	Jatin	Delhi	7-apr-99	2222290909	MScIT
103	Megha	Mayank		5-may-99	4433309099	MCA
104	Deepak	Dhiren	Meerut	10-aug-99	2234455644	BTech
105	Ashish	Viraj	Dehradun		1234566789	MCA

QUERY :**OUTPUT :**

Workspace Connected

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

```
INSERT INTO Student VALUES (101, 'Ankit', 'Samir', 'Dehradun', '01-mar-1997', 9898772212, 'MCA');
```

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA

PROBLEM STATEMENT: Describe the structure of the Student table

QUERY :

OUTPUT :

Workspace

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

describe Student

Execute Load Script Save Script Cancel

Name	Null?	Type
ROLL_NUMBER		NUMBER(10)
STUDENT_NAME		VARCHAR2(20)
FATHER_NAME		VARCHAR2(20)
ADDRESS		VARCHAR2(30)
DOB		DATE
PHONE_NUMBER		NUMBER(15)
COURSE		VARCHAR2(10)

PROBLEM STATEMENT : Retrieve the content of the Student Table

QUERY :

OUTPUT :

Workspace

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

SELECT * FROM Student

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA
102	Sam	Jatin	Delhi	07-APR-99	2222290909	MScIT
103	Megha	Mayank		05-MAY-99	4433309099	MCA
104	Deepak	Dhiren	Moonat	10-AUG-99	2234455644	BTech
105	Ashish	Viraj	Dehradun		1234566789	MCA

PROBLEM STATEMENT : Retrieve only Roll_number, Student_name from Student Table.

QUERY :

OUTPUT :

Workspace

Enter SQL, PL/SQL and SQL*Plus statements

SELECT Roll_number, Student_name FROM Student

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME
101	Ankit
102	Sam
103	Megha
104	Deepak
105	Ashish

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

QUERY :

OUTPUT :

Workspace

Enter SQL, PL/SQL and SQL*Plus statements

SELECT * FROM Student where Roll_number = 101 OR Roll_number = 104;

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA
104	Deepak	Dhiren	Meerut	10-AUG-99	2234455644	BTech

PROBLEM STATEMENT : Display all details of MCA members only.

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Student where Course = 'MCA';
```

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA
103	Megha	Mayank		05-MAY-99	4433309099	MCA
105	Ashish	Viraj	Dehradun		1234566789	MCA

PROBLEM STATEMENT : Display data of students alphabetical order.

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Student ORDER BY Student_name;
```

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA
105	Ashish	Viraj	Dehradun		1234566789	MCA
104	Deepak	Dhiren	Meerut	10-AUG-99	2234455644	BTech
103	Megha	Mayank		05-MAY-99	4433309099	MCA
102	Sam	Jatin	Delhi	07-APR-99	2222290909	MScIT

PROBLEM STATEMENT : Display the student who live in Dehradun.

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Student WHERE Address = 'Dehradun';
```

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
101	Ankit	Samir	Dehradun	01-MAR-97	9898772212	MCA
105	Ashish	Viraj	Dehradun		1234566789	MCA

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Student WHERE Roll_number = '105' AND Course = 'MCA';
```

Execute Load Script Save Script Cancel

ROLL_NUMBER	STUDENT_NAME	FATHER_NAME	ADDRESS	DOB	PHONE_NUMBER	COURSE
105	Ashish	Viraj	Dehradun		1234566789	MCA

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT (Roll_number || ',' || Student_name || ',' || Father_name) AS  
Student_Information FROM Student;
```

Execute Load Script Save Script Cancel

STUDENT_INFORMATION
101,Ankit, Samir
102, Sam, Jatin
103, Megha, Mayank
104, Deepak, Dharen
105, Ashish, Viraj

PROBLEM STATEMENT : Retrieve the current date (sysdate).

QUERY :

OUTPUT :

Workspace

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

```
SELECT SYSDATE FROM Dual;
```

Execute Load Script Save Script Cancel

SYSDATE
04-APR-23

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
```

TABLE_NAME
MVIEWS_ADV_WORKLOAD
MVIEWS_ADV_BASETABLE
MVIEWS_ADV_SQLDEPEND
MVIEWS_ADV_PRETTY
MVIEWS_ADV_TEMP
MVIEWS_ADV_FILTER
MVIEWS_ADV_LOG
MVIEWS_ADV_FILTERINSTANCE
MVIEWS_ADV_LEVEL
MVIEWS_ADV_ROLLUP
MVIEWS_ADV_AJG
MVIEWS_ADV_FJG
MVIEWS_ADV_GC
MVIEWS_ADV_CLIQUE
MVIEWS_ADV_ELIGIBLE
MVIEWS_ADV_OUTPUT
MVIEWS_ADV_EXCEPTIONS
MVIEWS_ADV_PARAMETERS
MVIEWS_ADV_INFO
MVIEWS_ADV_JOURNAL
MVIEWS_ADV_PLAN
AQS_QUEUE_TABLES
AQS_QUEUES
AQS_SCHEDULES

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

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

```
CREATE TABLE Salesman (  
  Snum number(10),  
  Sname varchar2(20),  
  City varchar2(30),  
  Commission number(7,3)  
);
```

Table created.

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', 'Surat', 13)
INTO Salesman VALUES(1003, 'Miti', 'London' ,11)
INTO Salesman VALUES(1007, 'Rajesh', 'Baroda', 15)
INTO Salesman VALUES(1003, 'Anand', 'New Delhi', 10)
SELECT * FROM Dual;
```

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)  
);
```

Table created.

PROBLEM STATEMENT: Insert the following data into Customer.

CNUM	CNAME	CITY	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)  
);
```

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.

PROBLEM STATEMENT : Produce the order no, amount and date of all orders.

QUERY :

OUTPUT :

Workspace

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

SELECT Onum, Amount, Odate from Order1;

Execute Load Script Save Script Cancel

ONUM	AMOUNT	ODATE
3001	18.89	10-MAR-97
3003	767.19	10-MAR-97
3002	1900.1	10-MAR-97
3005	5160.45	10-MAR-97
3006	1098.16	10-MAR-97
3009	1713.23	10-APR-97
3007	75.75	10-APR-97

7 rows selected.

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

QUERY :

OUTPUT :

Workspace

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

SELECT * from Customer WHERE Snum = 1001;

Execute Load Script Save Script Cancel

CNUM	CNAME	CITY	RATING	SNUM
2001	Harsh	London	100	1001
2006	Chirag	London	100	1001

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

QUERY :

OUTPUT :

Workspace

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

SELECT * from Salesman ORDER BY City;

Execute Load Script Save Script Cancel Clear

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

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

QUERY :

OUTPUT :

Workspace

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

SELECT Rating, Cname from Customer WHERE City = 'Surat';

Execute Load Script Save Script Cancel

RATING	CNAME
200	Lalit
300	Chinmay

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * from Order1 WHERE Amount >1000;
```

Execute Load Script Save Script Cancel

ONUM	AMOUNT	ODATE	CNUM	SNUM
3002	1900.1	10-MAR-97	2007	1004
3005	5160.45	10-MAR-97	2003	1002
3006	1098.16	10-MAR-97	2008	1007
3009	1713.23	10-APR-97	2002	1003

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT DISTINCT Salesman.SNUM FROM Salesman, Order1 WHERE  
Salesman.SNUM = Order1.SNUM;
```

Execute Load Script Save Script Cancel

SNUM
1003
1001
1002
1007

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT Sname, City FROM Salesman WHERE City = 'London' AND Commission > 10;
```

Execute Load Script Save Script Cancel

SNAME	CITY
Piyush	London
Miti	London

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * from Customer WHERE Rating > 100 OR City = 'Rome';
```

Execute Load Script Save Script Cancel

CNUM	CNAME	CITY	RATING	SNUM
2002	Gita	Rome	200	1003
2003	Lalit	Surat	200	1002
2004	Govind	Bombay	300	1002
2006	Chinmay	Surat	300	1007
2007	Pratik	Rome	100	1004

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Order1 WHERE Amount >1000 AND NOT(Snum <1006 AND ODate = '10-Mar-97');
```

Execute Load Script Save Script Cancel

ONUM	AMOUNT	ODATE	CNUM	SNUM
3006	1098.16	10-MAR-97	2008	1007
3009	1713.23	10-APR-97	2002	1003

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Order1 WHERE ODate In('03-Mar-97','04-Mar-97','10-Mar-97');
```

Execute Load Script Save Script Cancel

ONUM	AMOUNT	ODATE	CNUM	SNUM
3001	18.69	10-MAR-97	2008	1007
3003	767.19	10-MAR-97	2001	1001
3002	1900.1	10-MAR-97	2007	1004
3005	5160.45	10-MAR-97	2003	1002
3006	1098.16	10-MAR-97	2008	1007

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT (Cname || ' ' || City) As Customer_Information FROM Customer;
```

Execute Load Script Save Script Cancel

CUSTOMER_INFORMATION
Harsh,London
Gita,Rome
Leet,Surat
Govind,Bombay
Chirag,London
Chinmay,Surat
Pratik,Rome

7 rows selected.

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT (Sname || ' Belongs to ' || City) As Supplier_Information FROM Salesman;
```

Execute Load Script Save Script Cancel

SUPPLIER_INFORMATION
Piyush Belongs to London
Sejal Belongs to Surat
Mih Belongs to London
Rajesh Belongs to Baroda
Anand Belongs to New Delhi

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

QUERY :

OUTPUT :

Workspace

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

SELECT * FROM Order1 ORDER BY Amount;

Execute Load Script Save Script Cancel

ONUM	AMOUNT	ODATE	CNUM	SNUM
3001	18.69	10-MAR-97	2008	1007
3007	75.75	10-APR-97	2004	1002
3003	767.19	10-MAR-97	2001	1001
3006	1098.16	10-MAR-97	2008	1007
3009	1713.23	10-APR-97	2002	1003
3002	1900.1	10-MAR-97	2007	1004
3005	5160.45	10-MAR-97	2003	1002

7 rows selected.

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

QUERY :

OUTPUT :

Workspace

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

SELECT * FROM Customer WHERE (Cnum >=2002 AND Cnum <=2008);

Execute Load Script Save Script Cancel

CNUM	CNAME	CITY	RATING	SNUM
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

6 rows selected.

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Salesman WHERE City IN ('London', 'Surat', 'New Delhi');
```

Execute Load Script Save Script Cancel

SNUM	SNAME	CITY	COMMISSION
1001	Piyush	London	12
1002	Sejal	Surat	13
1003	Miti	London	11
1003	Anand	New Delhi	10

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Customer WHERE Cname LIKE 'C%';
```

Execute Load Script Save Script Cancel

CNUM	CNAME	CITY	RATING	SNUM
2006	Chirag	London	100	1001
2008	Chinmay	Surat	300	1007

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Customer WHERE Cname LIKE '%d';
```

CNUM	CNAME	CITY	RATING	SNUM
2004	Govind	Bombay	300	1002

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Customer WHERE (Cname LIKE 'A%' OR Cname LIKE 'G%');
```

CNUM	CNAME	CITY	RATING	SNUM
2002	Gita	Rome	200	1003
2004	Govind	Bombay	300	1002

PROBLEM STATEMENT : List all orders with NULL amount.

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Order1 WHERE Amount=0 OR Amount IS NULL;
```

Execute Load Script Save Script Cancel

no rows selected

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

QUERY :

OUTPUT :

Workspace

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

```
SELECT * FROM Salesman WHERE Sname LIKE '%a%';
```

Execute Load Script Save Script Cancel

SNUM	SNAME	CITY	COMMISSION
1002	Sejal	Surat	13
1007	Rajesh	Baroda	15
1003	Anand	New Delhi	10

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)  
);
```

Table created.

PROBLEM STATEMENT : Insert following data into Course table.

COURSECODE	COURSENAME	COURSEFEES	COURSESEMESTER	DEPT
101	MCA	80000	6	MCA
102	MBA	50000	4	MGMT
103	Btech	45000	8	ENGG
104	BCA	30000	6	MCA
105	BSCIT	25000	6	ALLIED
106	MSCIT	35000	6	ALLIED
107	BBA	35000	6	MGMT
108	OCP	3000	2	MCA

QUERY :

OUTPUT :

Workspace

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

```
INSERT ALL
INTO Course VALUES(101,'MCA',80000,6,'MCA')
INTO Course VALUES(102,'MBA',50000,4,'MGMT')
INTO Course VALUES(103,'BTech',45000,8,'ENGG')
INTO Course VALUES(104,'BCA',30000,6,'MCA')
INTO Course VALUES(105,'BScIT',25000,6,'ALLIED')
INTO Course VALUES(106,'MScIT',35000,6,'ALLIED')
INTO Course VALUES(107,'BBA',35000,6,'MGMT')
INTO Course VALUES(108,'OCP',3000,2,'MCA')
Select * from dual;
```

8 rows created.

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

Field name	Data types	Constraints
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'  
);
```

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, 'Shweta', '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.