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**Roll No: 102203790**

**Group: 2CO-17**

## **DBMS Lab Assignment – 1**

### **1. Create table Student (Rno, Name, DOB, Gender, Class, College, City, Marks).**

```
1 v CREATE TABLE Student
2     (Rno number primary key,
3      Name varchar2(50),
4      DOB date,
5      Gender varchar2(1),
6      Class varchar2(5),
7      College varchar2(100),
8      City varchar2(50),
9      Marks number);
```

Table created.

### **2. Insert 5 records in student table.**

```
1 v Insert into Student (Rno, Name, DOB, Gender, Class, College, City, Marks)
2   Values (102203790, 'Ashmit', TO_DATE('2003-09-20', 'YYYY-MM-DD'), 'M', '2C017', 'TIET', 'Raigarh', 92);
3
4 v Insert into Student (Rno, Name, DOB, Gender, Class, College, City, Marks)
5   Values (102203766, 'Anchit', TO_DATE('2004-03-23', 'YYYY-MM-DD'), 'M', '2C017', 'TIET', 'Ludhiana', 88);
6
7 v Insert into Student (Rno, Name, DOB, Gender, Class, College, City, Marks)
8   Values (102203797, 'Chandranshu', TO_DATE('2004-07-09', 'YYYY-MM-DD'), 'M', '2C017', 'TIET', 'Amritsar', 86);
9
10 v Insert into Student (Rno, Name, DOB, Gender, Class, College, City, Marks)
11   Values (102203778, 'Vivek', TO_DATE('2004-06-13', 'YYYY-MM-DD'), 'M', '2C017', 'TIET', 'Gurugram', 94);
12
13 v Insert into Student (Rno, Name, DOB, Gender, Class, College, City, Marks)
14   Values (102203989, 'Aryan', TO_DATE('2004-07-26', 'YYYY-MM-DD'), 'M', '2C017', 'TIET', 'Jalandhar', 87);
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

### 3. Display the information of all the students.

```
1 select * from Student;
```

RNO	NAME	DOB	GENDER	CLASS	COLLEGE	CITY	MARKS
102203790	Ashmit	20-SEP-03	M	2C017	TIET	Raigarh	92
102203766	Anchit	23-MAR-04	M	2C017	TIET	Ludhiana	88
102203797	Chandranshu	09-JUL-04	M	2C017	TIET	Amritsar	86
102203778	Vivek	13-JUN-04	M	2C017	TIET	Gurugram	94
102203989	Aryan	26-JUL-04	M	2C017	TIET	Jalandhar	87

### 4. Display the detail structure of Student table.

```
1 describe Student;
```

TABLE STUDENT

Column	Null?	Type
RNO	NOT NULL	NUMBER
NAME	-	VARCHAR2(50)
DOB	-	DATE
GENDER	-	VARCHAR2(1)
CLASS	-	VARCHAR2(5)
COLLEGE	-	VARCHAR2(100)
CITY	-	VARCHAR2(50)
MARKS	-	NUMBER

## 5. Display Rno, Name and Class information of 'Patiala' students.

```
1 select Rno, Name, Class from Student where City = 'Patiala';
```

RNO	NAME	CLASS
102203989	Aryan	2C017

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## 6. Display information on ascending order of marks.

```
1 select * from Student order by Marks;
```

RNO	NAME	DOB	GENDER	CLASS	COLLEGE	CITY	MARKS
102203797	Chandranshu	09-JUL-04	M	2C017	TIET	Amritsar	86
102203989	Aryan	26-JUL-04	M	2C017	TIET	Patiala	87
102203766	Anchit	23-MAR-04	M	2C017	TIET	Ludhiana	88
102203790	Ashmit	20-SEP-03	M	2C017	TIET	Raigarh	92
102203778	Vivek	13-JUN-04	M	2C017	TIET	Gurugram	94

## 7. Change the marks of Rno 5 to 89.

```
1 update Student set Marks=89 where Rno=102203766;
```

1 row(s) updated.

## 8. Change the name and city of Rno 9.

```
1 update Student set Name = 'Aarush', City = 'Gurugram' where Rno = 102203989;
```

1 row(s) updated.

## 9. Delete the information of 'Amritsar' city records.

```
1 Delete from Student where City = 'Amritsar';
```

1 row(s) deleted.

**10. Delete the records of students where Marks < 30.**

```
1 delete from Student where Marks < 30;
```

0 row(s) deleted.