

SQL> cl scr

```
SQL> CREATE OR REPLACE TYPE Address
 2 AS
 3 OBJECT
 4 (
 5   HouseNum          VARCHAR2 (15)
 6   ,Street            VARCHAR2 (20)
 7   ,City              VARCHAR2 (20)
 8   ,District          VARCHAR2 (20)
 9   ,State             VARCHAR2 (20)
10   ,Country           VARCHAR2 (20)
11   ,Pin              CHAR (6)
12 );
13 /
```

Type created.

```
SQL> CREATE OR REPLACE TYPE Name
 2 AS
 3 OBJECT
 4 (
 5   FirstName          VARCHAR2 (20)
 6   ,MiddleName        VARCHAR2 (20)
 7   ,LastName          VARCHAR2 (20)
 8 );
 9 /
```

Type created.

```
SQL> CREATE OR REPLACE TYPE Person
 2 AS
 3 OBJECT
 4 (
 5   Personid           NUMBER (6)
 6   ,PersonFullName    NAME
 7   ,PersonDOB         DATE
 8   ,PersonAddress     ADDRESS
 9 );
10 /
```

Type created.

```
SQL> CREATE OR REPLACE TYPE Fees
 2 AS
 3 OBJECT
 4 (
```

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```
5      TutitionFees      NUMBER(8, 2)
6      ,LabFees           NUMBER(6, 2)
7      ,SportsFees       NUMBER(6, 2)
8      ,LibraryFees      NUMBER(6, 2)
9      ,ExamFees         NUMBER(6, 2)
10     ,TransportFees    NUMBER(7, 2)
11     ,HostelFees       NUMBER(8, 2)
12     ,MessFees         NUMBER(8, 2)
13 );
14 /
```

Type created.

```
SQL> CREATE OR REPLACE TYPE StudentColl --NESTED OBJECT Type
2 AS
3 OBJECT
4 (
5     Student            PERSON
6     ,StudentFees       FEES
7 );
8 /
```

Type created.

```
SQL> CREATE TABLE MCAStudent
2 OF
3 StudentColl;
```

Table created.

```
SQL> /
CREATE TABLE MCAStudent
*
```

ERROR at line 1:
ORA-00955: name is already used by an existing object

```
SQL> cl scr
```

```
SQL> DESC StudentColl
```

Name	Null?
STUDENT	
PERSON	

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STUDENTFEES
FEES

SQL> DESC MCAStudent

Name	Null?
Type	

STUDENT
PERSON
STUDENTFEES
FEES

SQL> SET DESCRIBE DEPTH 2

SQL> DESC MCAStudent

Name	Null?
Type	

STUDENT
PERSON
PERSONID
NUMBER(6)
PERSONFULLNAME
NAME
PERSONDOB
DATE
PERSONADDRESS
ADDRESS
STUDENTFEES
FEES
TUTIONFEES
NUMBER(8,2)
LABFEES
NUMBER(6,2)
SPORTSFEES
NUMBER(6,2)
LIBRARYFEES
NUMBER(6,2)
EXAMFEES
NUMBER(6,2)
TRANSPORTFEES
NUMBER(7,2)
HOSTELFEES
NUMBER(8,2)
MESSFEES
NUMBER(8,2)

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```
SQL> SET DESCRIBE DEPTH 3
SQL> DESC MCAStudent
```

Name	Null?
------	-------

Type

STUDENT
PERSON
PERSONID
NUMBER (6)
PERSONFULLNAME
NAME
FIRSTNAME
VARCHAR2 (20)
MIDDLENAME
VARCHAR2 (20)
LASTNAME
VARCHAR2 (20)
PERSONDOB
DATE
PERSONADDRESS
ADDRESS
HOUSENUM
VARCHAR2 (15)
STREET
VARCHAR2 (20)
CITY
VARCHAR2 (20)
DISTRICT
VARCHAR2 (20)
STATE
VARCHAR2 (20)
COUNTRY
VARCHAR2 (20)
PIN
CHAR (6)
STUDENTFEES
FEES
TUTIONFEES
NUMBER (8,2)
LABFEES
NUMBER (6,2)
SPORTSFEES
NUMBER (6,2)
LIBRARYFEES
NUMBER (6,2)

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```
EXAMFEES
NUMBER (6,2)
TRANSPORTFEES
NUMBER (7,2)
HOSTELFEES
NUMBER (8,2)
MESSFEES
NUMBER (8,2)
```

```
SQL> cl scr
```

```
SQL> INSERT INTO
 2 MCAStudent
 3 (
 4     Student
 5     ,StudentFees
 6 )
 7 VALUES
 8 (
 9     PERSON
10 (
11 1234,
12 NAME
13 (
14     'SATHISH', 'KUMAR', 'YELLANKI'
15 )
16 , '02-OCT-86'
17 , ADDRESS
18 (
19     '2-715/B/6'
20     , 'BALKAMPET ROAD'
21     , 'HYDERABAD'
22     , 'RANGA REDDY'
23     , 'ANDHRA PRADESH'
24     , 'INDIA'
25     , '500016'
26 )
27 )
28 , FEES
29 (
30     100000
31     , 6000
32     , 2000
33     , 1500
34     , 5000
35     , 20000
36     , 12000
```

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```
37         ,27000
38     )
39 );
```

1 row created.

```
SQL> INSERT INTO
  2   MCAStudent
  3   (
  4       Student
  5       ,StudentFees
  6   )
  7   VALUES
  8   (
  9       PERSON
10   (
11       1235,
12       NAME
13       (
14           'RAVI', 'KUMAR', 'SHARMA'
15       )
16       , '03-JAN-86'
17       , ADDRESS
18       (
19           '2-716/B/6'
20           , 'SHIVAM ROAD'
21           , 'HYDERABAD'
22           , 'RANGA REDDY'
23           , 'ANDHRA PRADESH'
24           , 'INDIA'
25           , '500016'
26       )
27   )
28       , FEES
29       (
30           100000
31           , 6000
32           , 2000
33           , 1500
34           , 5000
35           , 20000
36           , 12000
37           , 27000
38       )
39 );
```

1 row created.

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```
SQL> INSERT INTO
  2  MCAStudent
  3  (
  4      Student
  5      ,StudentFees
  6  )
  7  VALUES
  8  (
  9      PERSON
 10  (
 11      1236,
 12      NAME
 13          (
 14              'RAMANA', 'KUMAR', 'RANJAN'
 15          )
 16      , '23-JUN-86'
 17      , ADDRESS
 18          (
 19              '2-716/B/6'
 20              , 'GANDHI ROAD'
 21              , 'HYDERABAD'
 22              , 'RANGA REDDY'
 23              , 'ANDHRA PRADESH'
 24              , 'INDIA'
 25              , '500016'
 26          )
 27      )
 28      , FEES
 29          (
 30              100000
 31              , 6000
 32              , 2000
 33              , 1500
 34              , 5000
 35              , 20000
 36              , 12000
 37              , 27000
 38          )
 39  );
```

1 row created.

SQL> COMMIT;

Commit complete.

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```
SQL> SELECT * FROM MCAStudent;
```

```
STUDENT(PERSONID, PERSONFULLNAME(FIRSTNAME, MIDDLENAME, LASTNAME),  
PERSONDOB, PERSONADDRESS(HOUSENUM, STREET, CITY, DIST
```

```
STUDENTFEES(TUTIONFEES, LABFEES, SPORTSFEES, LIBRARYFEES, EXAMFEES,  
TRANSPORTFEES, HOSTELFEES, MESSFEES)
```

```
PERSON(1234, NAME('SATHISH', 'KUMAR', 'YELLANKI'), '02-OCT-86',  
ADDRESS('2-715/B/6', 'BALKAMPET ROAD', 'HYDERABAD', 'RAN  
GA REDDY', 'ANDHRA PRADESH', 'INDIA', '500016'))  
FEES(100000, 6000, 2000, 1500, 5000, 20000, 12000, 27000)
```

```
PERSON(1235, NAME('RAVI', 'KUMAR', 'SHARMA'), '03-JAN-86', ADDRESS('2-  
716/B/6', 'SHIVAM ROAD', 'HYDERABAD', 'RANGA REDDY  
, 'ANDHRA PRADESH', 'INDIA', '500016'))  
FEES(100000, 6000, 2000, 1500, 5000, 20000, 12000, 27000)
```

```
PERSON(1236, NAME('RAMANA', 'KUMAR', 'RANJAN'), '23-JUN-86', ADDRESS('2-  
716/B/6', 'GANDHI ROAD', 'HYDERABAD', 'RANGA RED  
DY', 'ANDHRA PRADESH', 'INDIA', '500016'))  
FEES(100000, 6000, 2000, 1500, 5000, 20000, 12000, 27000)
```

```
SQL> COLUMN FName FORMAT A10
```

```
SQL> COLUMN Mname FORMAT A10
```

```
SQL> COLUMN LName FORMAT A10
```

```
SQL> COLUMN FullName FORMAT A30
```

```
SQL> SELECT
```

```
2 E1.Student.PersonFullName.FirstName FName,  
3 E1.Student.PersonFullName.MiddleName MName,  
4 E1.Student.PersonFullName.LastName LName,  
5 E1.Student.PersonFullName.FirstName||' '  
6 ||E1.Student.PersonFullName.MiddleName||' '  
7 ||E1.Student.PersonFullName.LastName FullName  
8 FROM MCAStudent E1;
```

FNAME	MNAME	LNAME	FULLNAME
SATHISH	KUMAR	YELLANKI	SATHISH KUMAR YELLANKI
RAVI	KUMAR	SHARMA	RAVI KUMAR SHARMA
RAMANA	KUMAR	RANJAN	RAMANA KUMAR RANJAN

```
SQL> ED
```

```
Wrote file afiedt.buf
```

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```
1  SELECT
2  E1.Student.PersonFullName.FirstName FName,
3  E1.Student.PersonFullName.MiddleName MName,
4  E1.Student.PersonFullName.LastName LName,
5  E1.Student.PersonFullName.FirstName||' '
6  ||E1.Student.PersonFullName.MiddleName||' '
7  ||E1.Student.PersonFullName.LastName FullName
8  FROM
9  (
10   SELECT *
11   FROM MCAStudent
12*  ) E1
SQL> /
```

FNAME	MNAME	LNAME	FULLNAME
SATHISH	KUMAR	YELLANKI	SATHISH KUMAR YELLANKI
RAVI	KUMAR	SHARMA	RAVI KUMAR SHARMA
RAMANA	KUMAR	RANJAN	RAMANA KUMAR RANJAN

SQL> DESC MCAStudent

Name	Null?
Type	

```
-----
STUDENT
PERSON
  PERSONID
NUMBER(6)
  PERSONFULLNAME
NAME
  FIRSTNAME
VARCHAR2(20)
  MIDDLENAME
VARCHAR2(20)
  LASTNAME
VARCHAR2(20)
  PERSONDOB
DATE
  PERSONADDRESS
ADDRESS
  HOUSENUM
VARCHAR2(15)
  STREET
VARCHAR2(20)
```

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CITY
VARCHAR2 (20)
DISTRICT
VARCHAR2 (20)
STATE
VARCHAR2 (20)
COUNTRY
VARCHAR2 (20)
PIN
CHAR (6)
STUDENTFEES
FEES
TUTIONFEES
NUMBER (8,2)
LABFEES
NUMBER (6,2)
SPORTSFEES
NUMBER (6,2)
LIBRARYFEES
NUMBER (6,2)
EXAMFEES
NUMBER (6,2)
TRANSPORTFEES
NUMBER (7,2)
HOSTELFEES
NUMBER (8,2)
MESSFEES
NUMBER (8,2)

SQL> SELECT
2 MCA.STUDENT.PERSONID StudID,
3 MCA.STUDENT.PERSONFULLNAME.FIRSTNAME StudFName,
4 MCA.STUDENT.PERSONFULLNAME.MIDDLENAME StudMName,
5 MCA.STUDENT.PERSONFULLNAME.LASTNAME StudLName,
6 MCA.STUDENT.PERSONDOB StudDOB,
7 MCA.STUDENT.PERSONADDRESS.HOUSENUM StudHno,
8 MCA.STUDENT.PERSONADDRESS.STREET StudStreet,
9 MCA.STUDENT.PERSONADDRESS.CITY StudCity,
10 MCA.STUDENT.PERSONADDRESS.DISTRICT StudDistrict,
11 MCA.STUDENT.PERSONADDRESS.STATE StudState,
12 MCA.STUDENT.PERSONADDRESS.COUNTRY StudCountry,
13 MCA.STUDENT.PERSONADDRESS.PIN StudPin,
14 MCA.STUDENTFEES.TUTIONFEES StudTutionFee,
15 MCA.STUDENTFEES.LABFEES StudLabFees,
16 MCA.STUDENTFEES.SPORTSFEES StudSpFees,
17 MCA.STUDENTFEES.LIBRARYFEES StudLibFee,
18 MCA.STUDENTFEES.EXAMFEES StudExamFee,

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```

19 MCA.STUDENTFEES.TRANSPORTFEES StudTranFees,
20 MCA.STUDENTFEES.HOSTELFEES StudHostel,
21 MCA.STUDENTFEES.MESSFEES StudMess
22 FROM MCAStudent MCA;

```

STUDID	STUDFNAME	STUDMNAME	STUDLNAME	
STUDDOB	STUDHNO	STUDSTREET		
STUDCITY	STUDDISTRICT	STUDSTATE		
STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES	
STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES	STUDHOSTEL
STUDMESS				
1234	SATHISH	KUMAR	YELLANKI	02-
OCT-86	2-715/B/6	BALKAMPET ROAD		
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000
1235	RAVI	KUMAR	SHARMA	03-
JAN-86	2-716/B/6	SHIVAM ROAD		
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000
1236	RAMANA	KUMAR	RANJAN	23-
JUN-86	2-716/B/6	GANDHI ROAD		
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000

```

SQL> ED
Wrote file afiedt.buf

```

```

1  SELECT
2  MCA.STUDENT.PERSONID StudID,
3  MCA.STUDENT.PERSONFULLNAME.FIRSTNAME StudFName,
4  MCA.STUDENT.PERSONFULLNAME.MIDDLENAME StudMName,
5  MCA.STUDENT.PERSONFULLNAME.LASTNAME StudLName,
6  MCA.STUDENT.PERSONDOB StudDOB,
7  MCA.STUDENT.PERSONADDRESS.HOUSENUM StudHno,
8  MCA.STUDENT.PERSONADDRESS.STREET StudStreet,
9  MCA.STUDENT.PERSONADDRESS.CITY StudCity,
10 MCA.STUDENT.PERSONADDRESS.DISTRICT StudDistrict,

```

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```

11 MCA.STUDENT.PERSONADDRESS.STATE StudState,
12 MCA.STUDENT.PERSONADDRESS.COUNTRY StudCountry,
13 MCA.STUDENT.PERSONADDRESS.PIN StudPin,
14 MCA.STUDENTFEES.TUTIONFEES StudTutionFee,
15 MCA.STUDENTFEES.LABFEES StudLabFees,
16 MCA.STUDENTFEES.SPORTSFEES StudSpFees,
17 MCA.STUDENTFEES.LIBRARYFEES StudLibFee,
18 MCA.STUDENTFEES.EXAMFEES StudExamFee,
19 MCA.STUDENTFEES.TRANSPORTFEES StudTranFees,
20 MCA.STUDENTFEES.HOSTELFEES StudHostel,
21 MCA.STUDENTFEES.MESSFEES StudMess
22 FROM
23 (
24 SELECT *
25 FROM MCAStudent
26* ) MCA
SQL> /

```

STUDID	STUDFNAME	STUDMNAME	STUDLNAME	STUDDOB	STUDHNO	STUDSTREET	STUDCITY	STUDDISTRICT	STUDSTATE	STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES	STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES	STUDHOSTEL	STUDMESS
1234	SATHISH	KUMAR	YELLANKI	OCT-86	2-715/B/6	BALKAMPET ROAD	HYDERABAD	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	100000	6000	2000	1500	5000	20000	12000	27000
1235	RAVI	KUMAR	SHARMA	JAN-86	2-716/B/6	SHIVAM ROAD	HYDERABAD	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	100000	6000	2000	1500	5000	20000	12000	27000
1236	RAMANA	KUMAR	RANJAN	JUN-86	2-716/B/6	GANDHI ROAD	HYDERABAD	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	100000	6000	2000	1500	5000	20000	12000	27000

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SQL> ED

Wrote file afiedt.buf

```
1  CREATE OR REPLACE VIEW MCAStudInfo
2  AS
3  SELECT
4  MCA.STUDENT.PERSONID StudID,
5  MCA.STUDENT.PERSONFULLNAME.FIRSTNAME StudFName,
6  MCA.STUDENT.PERSONFULLNAME.MIDDLENAME StudMName,
7  MCA.STUDENT.PERSONFULLNAME.LASTNAME StudLName,
8  MCA.STUDENT.PERSONDOB StudDOB,
9  MCA.STUDENT.PERSONADDRESS.HOUSENUM StudHno,
10 MCA.STUDENT.PERSONADDRESS.STREET StudStreet,
11 MCA.STUDENT.PERSONADDRESS.CITY StudCity,
12 MCA.STUDENT.PERSONADDRESS.DISTRICT StudDistrict,
13 MCA.STUDENT.PERSONADDRESS.STATE StudState,
14 MCA.STUDENT.PERSONADDRESS.COUNTRY StudCountry,
15 MCA.STUDENT.PERSONADDRESS.PIN StudPin,
16 MCA.STUDENTFEES.TUTIONFEES StudTutionFee,
17 MCA.STUDENTFEES.LABFEES StudLabFees,
18 MCA.STUDENTFEES.SPORTSFEES StudSpFees,
19 MCA.STUDENTFEES.LIBRARYFEES StudLibFee,
20 MCA.STUDENTFEES.EXAMFEES StudExamFee,
21 MCA.STUDENTFEES.TRANSPORTFEES StudTranFees,
22 MCA.STUDENTFEES.HOSTELFEES StudHostel,
23 MCA.STUDENTFEES.MESSFEES StudMess
24 FROM
25 (
26  SELECT *
27  FROM MCAStudent
28* ) MCA
SQL> /
```

View created.

SQL> DESC MCAStudInfo

Name	Null?
STUDID	
STUDFNAME	
STUDMNAME	
STUDLNAME	
STUDDOB	
STUDHNO	
STUDSTREET	
STUDCITY	
STUDDISTRICT	
STUDSTATE	
STUDCOUNTRY	
STUDPIN	
STUDTUTIONFEE	
STUDLABFEES	
STUDSPFEES	
STUDLIBFEE	
STUDEXAMFEE	
STUDTRANFEES	
STUDHOSTEL	
STUDMESS	

STUDID
NUMBER (6)
STUDFNAME
VARCHAR2 (20)
STUDMNAME
VARCHAR2 (20)

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```

STUDLNAME
VARCHAR2 (20)
STUDDOB
DATE
STUDHNO
VARCHAR2 (15)
STUDSTREET
VARCHAR2 (20)
STUDCITY
VARCHAR2 (20)
STUDDISTRICT
VARCHAR2 (20)
STUDSTATE
VARCHAR2 (20)
STUDCOUNTRY
VARCHAR2 (20)
STUDPIN
CHAR (6)
STUDTUTIONFEE
NUMBER (8,2)
STUDLABFEES
NUMBER (6,2)
STUDSPFEES
NUMBER (6,2)
STUDLIBFEE
NUMBER (6,2)
STUDEXAMFEE
NUMBER (6,2)
STUDTRANFEES
NUMBER (7,2)
STUDHOSTEL
NUMBER (8,2)
STUDMESS
NUMBER (8,2)

```

SQL> SELECT * FROM MCAStudInfo;

STUDID	STUDFNAME	STUDMNAME	STUDLNAME
STUDDOB	STUDHNO	STUDSTREET	
STUDCITY	STUDDISTRICT	STUDSTATE	
STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES
STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES
STUDHOSTEL	STUDMESS		

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```

1234 SATHISH          KUMAR          YELLANKI          02-
OCT-86 2-715/B/6      BALKAMPET ROAD
HYDERABAD          RANGA REDDY          ANDHRA PRADESH          INDIA
500016          100000          6000
          2000          1500          5000          20000          12000          27000
  
```

```

1235 RAVI          KUMAR          SHARMA          03-
JAN-86 2-716/B/6      SHIVAM ROAD
HYDERABAD          RANGA REDDY          ANDHRA PRADESH          INDIA
500016          100000          6000
          2000          1500          5000          20000          12000          27000
  
```

```

1236 RAMANA          KUMAR          RANJAN          23-
JUN-86 2-716/B/6      GANDHI ROAD
HYDERABAD          RANGA REDDY          ANDHRA PRADESH          INDIA
500016          100000          6000
          2000          1500          5000          20000          12000          27000
  
```

SQL> cl scr

SQL> SELECT * FROM MCASudInfo;

```

STUDID STUDFNAME          STUDMNAME          STUDLNAME
STUDDOB  STUDHNO          STUDSTREET
-----
STUDCITY          STUDDISTRICT          STUDSTATE
STUDCOUNTRY          STUDPI STUDTUTIONFEE STUDLABFEES
-----
STUDSPFEES STUDLIBFEE STUDEXAMFEE STUDTRANFEES STUDHOSTEL STUDMESS
-----
1234 SATHISH          KUMAR          YELLANKI          02-
OCT-86 2-715/B/6      BALKAMPET ROAD
HYDERABAD          RANGA REDDY          ANDHRA PRADESH          INDIA
500016          100000          6000
          2000          1500          5000          20000          12000          27000
1235 RAVI          KUMAR          SHARMA          03-
JAN-86 2-716/B/6      SHIVAM ROAD
HYDERABAD          RANGA REDDY          ANDHRA PRADESH          INDIA
500016          100000          6000
          2000          1500          5000          20000          12000          27000
1236 RAMANA          KUMAR          RANJAN          23-
JUN-86 2-716/B/6      GANDHI ROAD
  
```

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```
.....
HYDERABAD          RANGA REDDY          ANDHRA PRADESH      INDIA
500016             100000             6000
                2000                1500                5000          20000          12000          27000
```

SQL> DESC MCAstudInfo

```
  Name                                         Null?
  Type
-----
STUDID
NUMBER(6)
STUDFNAME
VARCHAR2(20)
STUDMNAME
VARCHAR2(20)
STUDLNAME
VARCHAR2(20)
STUDDOB
DATE
STUDHNO
VARCHAR2(15)
STUDSTREET
VARCHAR2(20)
STUDCITY
VARCHAR2(20)
STUDDISTRICT
VARCHAR2(20)
STUDSTATE
VARCHAR2(20)
STUDCOUNTRY
VARCHAR2(20)
STUDPIN
CHAR(6)
STUDTUTIONFEE
NUMBER(8,2)
STUDLABFEES
NUMBER(6,2)
STUDSPFEES
NUMBER(6,2)
STUDLIBFEE
NUMBER(6,2)
STUDEXAMFEE
NUMBER(6,2)
STUDTRANFEES
NUMBER(7,2)
```

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```
STUDHOSTEL
NUMBER(8,2)
STUDMESS
NUMBER(8,2)
```

```
SQL> UPDATE MCAStudent MCA
2 SET MCA.STUDENT.PERSONADDRESS.CITY = 'KOLKATA'
3 WHERE MCA.STUDENT.PERSONFULLNAME.FIRSTNAME = 'RAVI'
4 /
```

1 row updated.

```
SQL> SELECT * FROM MCAStudInfo;
```

STUDID	STUDFNAME	STUDMNAME	STUDLNAME			
STUDDOB	STUDHNO	STUDSTREET				
STUDCITY	STUDDISTRICT	STUDSTATE				
STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES			
STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES	STUDHOSTEL	STUDMESS	
1234	SATHISH	KUMAR	YELLANKI			02-
OCT-86	2-715/B/6	BALKAMPET ROAD				
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA		
500016	100000	6000				
2000	1500	5000	20000	12000	27000	
1235	RAVI	KUMAR	SHARMA			03-
JAN-86	2-716/B/6	SHIVAM ROAD				
KOLKATA		RANGA REDDY	ANDHRA PRADESH	INDIA		
500016	100000	6000				
2000	1500	5000	20000	12000	27000	
1236	RAMANA	KUMAR	RANJAN			23-
JUN-86	2-716/B/6	GANDHI ROAD				
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA		
500016	100000	6000				
2000	1500	5000	20000	12000	27000	

```
SQL> ED
Wrote file afiedt.buf
```

```
1 UPDATE
```

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```

2  (
3  SELECT *
4  FROM MCAStudent
5  ) MCA
6  SET MCA.STUDENT.PERSONADDRESS.CITY = 'DELHI'
7* WHERE MCA.STUDENT.PERSONFULLNAME.FIRSTNAME = 'RAVI'
SQL> /

```

1 row updated.

```
SQL> SELECT * FROM MCAStudInfo;
```

STUDID	STUDFNAME	STUDMNAME	STUDLNAME	STUDDOB	STUDHNO	STUDSTREET	STUDCITY	STUDDISTRICT	STUDSTATE	STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES	STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES	STUDHOSTEL	STUDMESS	
1234	SATHISH	KUMAR	YELLANKI	OCT-86	2-715/B/6	BALKAMPET ROAD	HYDERABAD	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	6000		2000	100000	1500	5000	20000	12000	27000
1235	RAVI	KUMAR	SHARMA	JAN-86	2-716/B/6	SHIVAM ROAD	DELHI	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	6000		2000	100000	1500	5000	20000	12000	27000
1236	RAMANA	KUMAR	RANJAN	JUN-86	2-716/B/6	GANDHI ROAD	HYDERABAD	RANGA REDDY	ANDHRA PRADESH	INDIA	500016	6000		2000	100000	1500	5000	20000	12000	27000

```

SQL> UPDATE MCAStudInfo
2  SET StudCity = 'MUMBAI'
3  WHERE StudFname = 'RAVI';

```

1 row updated.

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SQL> SELECT * FROM MCAStudInfo;

STUDID	STUDFNAME	STUDMNAME	STUDLNAME	
STUDDOB	STUDHNO	STUDSTREET		
STUDCITY	STUDDISTRICT	STUDSTATE		
STUDCOUNTRY	STUDPI	STUDTUTIONFEE	STUDLABFEES	
STUDSPFEES	STUDLIBFEE	STUDEXAMFEE	STUDTRANFEES	STUDHOSTEL
STUDMESS				
1234	SATHISH	KUMAR	YELLANKI	02-
OCT-86	2-715/B/6	BALKAMPET ROAD		
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000
1235	RAVI	KUMAR	SHARMA	03-
JAN-86	2-716/B/6	SHIVAM ROAD		
MUMBAI		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000
1236	RAMANA	KUMAR	RANJAN	23-
JUN-86	2-716/B/6	GANDHI ROAD		
HYDERABAD		RANGA REDDY	ANDHRA PRADESH	INDIA
500016	100000	6000		
2000	1500	5000	20000	12000
				27000

SQL> ED

Wrote file afiedt.buf

```

1  DELETE MCAStudent MCA
2*  WHERE MCA.STUDENT.PERSONFULLNAME.FIRSTNAME = 'RAMANA'
SQL> /

```

1 row deleted.

SQL> ED

Wrote file afiedt.buf

```

1  DELETE
2  (
3  SELECT *
4  FROM MCAStudent

```

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```
5      ) MCA
6* WHERE MCA.STUDENT.PERSONFULLNAME.FIRSTNAME = 'RAMANA'
SQL> /
```

0 rows deleted.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DELETE MCAStudInfo
2* WHERE StudFname = 'RAMANA'
SQL> /
```

0 rows deleted.

```
SQL> SPOOL OFF
```

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