

```
CREATE TABLE SECTION_63 (SECTION_ID CHAR(7), TIME_OFFERED CHAR(10),
DAY_OFFERED CHAR(10), SECTION_ROOM CHAR(8), CLASS_SIZE NUMBER(3,0)
CHECK(CLASS_SIZE >=0), NUMBER_ENROLLED NUMBER(3,0)
CHECK(NUMBER_ENROLLED >=0), INSTRUCTOR_ID CHAR (5) REFERENCES
INSTRUCTOR_63(INSTRUCTOR_ID), COURSE_CODE CHAR(7) REFERENCES
COURSE_63(COURSE_CODE), PRIMARY KEY(SECTION_ID, TIME_OFFERED));
```

```
SQL> DESC SECTION_63;
```

Name	Null?	Type
SECTION_ID	NOT NULL	CHAR(7)
TIME_OFFERED	NOT NULL	CHAR(10)
DAY_OFFERED		CHAR(10)
SECTION_ROOM		CHAR(8)
CLASS_SIZE		NUMBER(3)
NUMBER_ENROLLED		NUMBER(3)
INSTRUCTOR_ID		CHAR(5)
COURSE_CODE		CHAR(7)

```
INSERT INTO SECTION_63
```

```
VALUES('&SECTION_ID','&TIME_OFFERED','&DAYS_OFFERED','&SECTION_ROOM','&CLA
SS_SIZE,&NUMBER_ENROLLED','&INSTRUCTOR_ID','&COURSE_CODE')
```

```
SQL> /
```

```
Enter value for section_id: 3011236
```

```
Enter value for time_offered: 10-12
```

```
Enter value for day_offered: MW
```

```
Enter value for section_room: A101
```

```
Enter value for class_size: 50
```

```
Enter value for number_enrolled: 45
```

```
Enter value for instructor_id: 11111
```

```
Enter value for course_code: CS101
```

```
SQL> SELECT * FROM SECTION_63;
```

```
SECTION TIME_OFFER DAY_OFFERE SECTION_ CLASS_SIZE NUMBER_ENROLLED
INSTR COURSE_
```

3011236	10-12	MW	A101	50	45	11111	CS101
3012237	2-4	TTH	B202	40	38	22222	CS202

3013238	8-10	MW	C303	35	33	33333	CS303
3014239	12-2	MW	D404	60	55	44444	CS404
3015240	4-6	TTH	E505	55	50	55555	CS505
3016241	6-8	TTH	F606	30	28	66666	MATH101
3017242	8-10	MW	G707	40	37	77777	MATH202
3018243	10-12	TTH	H808	45	42	88888	ENG101
3019244	2-4	MW	I909	35	31	99999	PHY101
3020245	12-2	TTH	J1010	30	29	12345	PHY202

10 rows selected.

```
CREATE TABLE ENROLLMENT_63(STUD_NO CHAR(9) REFERENCES
STUDENT_63(STUD_NO), SECTION_ID CHAR(7), GRADE CHAR(2), TIME_OFFERED
CHAR(10), PRIMARY KEY (STUD_NO, SECTION_ID), FOREIGN
KEY(SECTION_ID,TIME_OFFERED)REFERENCES
SECTION_63(SECTION_ID,TIME_OFFERED))
```

SQL> DESC ENROLLMENT_63;

Name	Null?	Type
STUD_NO	NOT NULL	CHAR(9)
SECTION_ID	NOT NULL	CHAR(7)
GRADE		CHAR(2)
TIME_OFFERED		CHAR(10)

SQL> SELECT * FROM ENROLLMENT_63;

STUD_NO	SECTION	GR	TIME_OFFER
---------	---------	----	------------

111111111	3011236	A	10-12
222222222	3012237	B+	2-4
333333333	3013238	B-	8-10
444444444	3014239	A-	12-2
555555555	3015240	C	4-6
666666666	3016241	B	6-8
777777777	3017242	C+	8-10
999999999	3019244	D	2-4
123456789	3020245	B-	12-2

9 rows selected.

Queries

2:

```
SQL> ALTER TABLE ENROLLMENT_63 MODIFY GRADE VARCHAR(4);
```

Table altered.

```
SQL> DESC ENROLLMENT_63;
```

Name	Null?	Type
STUD_NO	NOT NULL	CHAR(9)
SECTION_ID	NOT NULL	CHAR(7)
GRADE		VARCHAR2(4)
TIME_OFFERED		CHAR(10)

3:

```
SQL> ALTER TABLE INSTRUCTOR_63 ADD INSTRUCTOR_MAILID CHAR(15);
```

Table altered.

```
SQL> DESC INSTRUCTOR_63;
```

Name	Null?	Type
INSTRUCTOR_ID	NOT NULL	CHAR(5)
INSTRUCTOR_LNAME		CHAR(15)
INSTRUCTOR_FNAME		CHAR(15)
INSTRUCTOR_PHONE		CHAR(10)
INSTRUCTOR_MAILID		CHAR(15)

4:

```
SQL> CREATE VIEW INSTRUCTOR_SECTIONS_VIEW AS SELECT  
I.INSTRUCTOR_FNAME,I.INSTRUCTOR_LNAME,S.TIME_OFFERED,S.DAY_OFFERED,S.SE  
CTION_ROOM,C.COURSE_CODE,C.COURSE_TITLE FROM INSTRUCTOR_63  
I,SECTION_63 S,COURSE_63 C WHERE I.INSTRUCTOR_ID=S.INSTRUCTOR_ID AND  
C.COURSE_CODE=S.COURSE_CODE;
```

View created.

```
SQL> SELECT * FROM INSTRUCTOR_SECTIONS_VIEW;
```

INSTRUCTOR_FNAM INSTRUCTOR_LNAM TIME_OFFER DAY_OFFERE SECTION_ COURSE_
COURSE_TITLE

KRISHNA	RAJ	6-8	TTH	G999	CS101	INTRODUCTION TO CS
KRISHNA	RAJ	2-4	MW	D888	CS101	INTRODUCTION TO CS
KRISHNA	RAJ	10-12	MW	A101	CS101	INTRODUCTION TO CS
SUMAN	T	2-4	TTH	B202	CS202	DATA STRUCTURES
STUTHY	KRISHNA	8-10	MW	C303	CS303	ALGORITHMS
MATHEW	JONES	12-2	MW	D404	CS404	DATABASE SYSTEMS
EMILY	WILLIAMS	4-6	TTH	E505	CS505	SOFTWARE ENGINEERING
DAVID	JOHNSON	6-8	TTH	F606	MATH101	MATHEMATICS I
MUHAMMED	NOUFAL	8-10	MW	G707	MATH202	MATHEMATICS II
MANOJ	EBRAHAM	10-12	TTH	H808	ENG101	ENGLISH COMPOSITION
SUTHARSHAN	K	2-4	MW	I909	PHY101	PHYSICS I

INSTRUCTOR_FNAM INSTRUCTOR_LNAM TIME_OFFER DAY_OFFERE SECTION_
COURSE_ COURSE_TITLE

BENSON	K	12-2	TTH	J1010	PHY202	PHYSICS II
RAVI	KUMAR	2-4	MW	BLGNG102	CS240	WEB TECHNOLOGIES

13 rows selected.

5:

```
SQL> INSERT INTO STUDENT_63 VALUES('11111111','ABEY','TIMOTHI','123
FISAT','ANGAMALY','KL','60606');
INSERT INTO STUDENT_63 VALUES('11111111','ABEY','TIMOTHI','123
FISAT','ANGAMALY','KL','60606')
```

*

ERROR at line 1:

ORA-00001: unique constraint (CS27021.SYS_C0015233) violated

6:

```
SQL> INSERT INTO COURSE_63 VALUES('CS240','WEB DESIGN',4);
```

1 row created.

Commit complete.

```
SQL> SELECT * FROM COURSE_63;
```

COURSE_ COURSE_TITLE	COURSE_HOURS
----------------------	--------------

CS101 INTRODUCTION TO CS	3
--------------------------	---

CS202	DATA STRUCTURES	4
CS303	ALGORITHMS	3
CS404	DATABASE SYSTEMS	3
CS505	SOFTWARE ENGINEERING	4
MATH101	MATHEMATICS I	3
MATH202	MATHEMATICS II	3
ENG101	ENGLISH COMPOSITION	3
PHY101	PHYSICS I	4
PHY202	PHYSICS II	4
CS240	WEB DESIGN	4

11 rows selected.

7:

SQL> INSERT INTO SECTION_63 VALUES

('3011255','2-4','MW','BLGNG102',35,0,'11113','CS240');

INSERT INTO SECTION_63 VALUES ('3011255','2-4','MW','BLGNG102',35,0,'11113','CS240')

*

ERROR at line 1:

ORA-02291: integrity constraint (CS27021.SYS_C0017339) violated - parent key
not found

SQL> INSERT INTO INSTRUCTOR_63 VALUES('11113','KUMAR','RAVI','234567234','');

1 row created.

Commit complete.

SQL> SELECT * FROM INSTRUCTOR_63;

INSTR INSTRUCTOR_LNAM INSTRUCTOR_FNAM INSTRUCTOR INSTRUCTOR_MAIL

11111	RAJ	KRISHNA	1234567890
22222	T	SUMAN	2345678901
33333	KRISHNA	STUTHY	3456789012
44444	JONES	MATHEW	4567890123
55555	WILLIAMS	EMILY	5678901234
66666	JOHNSON	DAVID	6789012345
77777	NOUFAL	MUHAMMED	7890123456
88888	EBRAHAM	MANOJ	8901234567
99999	K	SUTHARSHAN	9012345678
12345	K	BENSON	9876543210
11113	KUMAR	RAVI	234567234

11 rows selected.

```
SQL> INSERT INTO SECTION_63 VALUES
('3011255','2-4','MW','BLGNG102',35,0,'11113','CS240');
```

1 row created.

Commit complete.

```
SQL> SELECT * FROM SECTION_63;
```

```
SECTION_63
SECTION_63  TIME_OFFER  DAY_OFFER  SECTION_63  CLASS_SIZE  NUMBER_ENROLLED
INSTR  COURSE_
```

3011236	10-12	MW	A101	55	45	11111	CS101
3012237	2-4	TTH	B202	44	38	22222	CS202
3011255	2-4	MW	BLGNG102	35	0	11113	CS240
3013238	8-10	MW	C303	39	33	33333	CS303
3014239	12-2	MW	D404	66	55	44444	CS404
3015240	4-6	TTH	E505	61	50	55555	CS505
3016241	6-8	TTH	F606	33	28	66666	MATH101
3017242	8-10	MW	G707	44	37	77777	MATH202
3018243	10-12	TTH	H808	50	42	88888	ENG101
3019244	2-4	MW	I909	39	31	99999	PHY101
3020245	12-2	TTH	J1010	33	29	12345	PHY202

11 rows selected.

```
SQL> INSERT INTO ENROLLMENT_63 VALUES('987654321','3011255',NULL,'2-4');
```

1 row created.

Commit complete.

```
SQL> SELECT * FROM ENROLLMENT_63;
```

STUD_NO	SECTION	GRAD	TIME_OFFER
111111111	3011236	A	10-12
222222222	3012237	B+	2-4
333333333	3013238	B-	8-10
444444444	3014239	A-	12-2
555555555	3015240	C	4-6
666666666	3016241	B	6-8

777777777	3017242	C+	8-10
999999999	3019244	D	2-4
123456789	3020245	B-	12-2
987654321	3011255		2-4

10 rows selected.

8:

```
SQL> INSERT INTO ENROLLMENT_63 VALUES('987654321','3011255',NULL,'2-4');
INSERT INTO ENROLLMENT_63 VALUES('987654321','3011255',NULL,'2-4')
```

*

ERROR at line 1:

ORA-02291: integrity constraint (CS27021.SYS_C0017366) violated - parent key not found

```
SQL> INSERT INTO STUDENT_63 VALUES('987654321','ABEY','TIMOTHY','333 AK
ST','ANGAMALY','KL','179345');
```

1 row created.

Commit complete.

```
SQL> SELECT * FROM STUDENT_63;
```

STUD_NO	STUD_LNAME	STUD_FNAME	ADDRESS	CITY	ST	POSTAL
111111111	SMITH	JOHN	123 MAIN ST	COCHIN	KL	10001
222222222	JOHNSON	MARY	456 ELM ST	ALUVA	KL	90001
333333333	WILLIAMS	DAVID	789 OAK ST	ANGAMALY	KL	60007
444444444	JONES	EMMA	101 PINE ST	AROOR	KL	77001
555555555	T	RAJEEV	555 MAPLE ST	COCHIN	KL	33101
666666666	KRISHNA	PRASAD	222 WILLOW ST	ANGAMALY	KL	92101
777777777	DAVIS	EMILY	333 OAKWOOD RD	EROOR	KL	85001
123456789	ANDERSON	AMEYA	888 ELMWOOD DR	ANGAMALY	KL	75201
888888888	RAJ	KEVIN	444 CEDAR LN	ALUVA	KL	19019
999999999	T	ANJALI	777 BRICH AVE	MOKKANNOOR	KL	78201
987654321	ABEY	TIMOTHY	333 AK ST	ANGAMALY	KL	179345

11 rows selected.

```
SQL> INSERT INTO ENROLLMENT_63 VALUES('987654321','3011255',NULL,'2-4');
```

1 row created.

Commit complete.

```
SQL> SELECT * FROM ENROLLMENT_63;
```

STUD_NO	SECTION	GRAD	TIME_OFFER
---------	---------	------	------------

111111111	3011236	A	10-12
222222222	3012237	B+	2-4
333333333	3013238	B-	8-10
444444444	3014239	A-	12-2
555555555	3015240	C	4-6
666666666	3016241	B	6-8
777777777	3017242	C+	8-10
999999999	3019244	D	2-4
123456789	3020245	B-	12-2
987654321	3011255		2-4
987654321	3182673	F	2-4

11 rows selected.

9:

```
SQL> SELECT * FROM SECTION_63;
```

SECTION	TIME_OFFER	DAY_OFFERE	SECTION_	CLASS_SIZE	NUMBER_ENROLLED	INSTR	COURSE_
---------	------------	------------	----------	------------	-----------------	-------	---------

3011236	10-12	MW	A101	50	45	11111	CS101
3012237	2-4	TTH	B202	40	38	22222	CS202
3013238	8-10	MW	C303	35	33	33333	CS303
3014239	12-2	MW	D404	60	55	44444	CS404
3015240	4-6	TTH	E505	55	50	55555	CS505
3016241	6-8	TTH	F606	30	28	66666	MATH101
3017242	8-10	MW	G707	40	37	77777	MATH202
3018243	10-12	TTH	H808	45	42	88888	ENG101
3019244	2-4	MW	I909	35	31	99999	PHY101
3020245	12-2	TTH	J1010	30	29	12345	PHY202

10 rows selected.

```
SQL> ed
```

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```
1* UPDATE SECTION_63 SET CLASS_SIZE = (10/100 * CLASS_SIZE)+CLASS_SIZE
SQL> /
```

10 rows updated.

Commit complete.

```
SQL> SELECT * FROM SECTION_63;
```

SECTION	TIME_OFFER	DAY_OFFERE	SECTION_	CLASS_SIZE	NUMBER_ENROLLED	INSTR	COURSE_
3011236	10-12	MW	A101	55	45	11111	CS101
3012237	2-4	TTH	B202	44	38	22222	CS202
3013238	8-10	MW	C303	39	33	33333	CS303
3014239	12-2	MW	D404	66	55	44444	CS404
3015240	4-6	TTH	E505	61	50	55555	CS505
3016241	6-8	TTH	F606	33	28	66666	MATH101
3017242	8-10	MW	G707	44	37	77777	MATH202
3018243	10-12	TTH	H808	50	42	88888	ENG101
3019244	2-4	MW	I909	39	31	99999	PHY101
3020245	12-2	TTH	J1010	33	29	12345	PHY202

10 rows selected.

10:

```
SQL> UPDATE SECTION_63 SET TIME_OFFERED='2-4' WHERE SECTION_ID='3011236';
UPDATE SECTION_63 SET TIME_OFFERED='2-4' WHERE SECTION_ID='3011236'
*
```

ERROR at line 1:

ORA-02292: integrity constraint (CS27021.SYS_C0017366) violated - child record found

11:

```
SQL> DELETE FROM SECTION_63 WHERE SECTION_ID='3011255';
DELETE FROM SECTION_63 WHERE SECTION_ID='3011255'
*
```

ERROR at line 1:

ORA-02292: integrity constraint (CS27021.SYS_C0017366) violated - child record found

```
SQL> DELETE FROM ENROLLMENT_63 WHERE SECTION_ID='3011255';
```

1 row deleted.

Commit complete.

SQL> DELETE FROM SECTION_63 WHERE SECTION_ID='3011255';

1 row deleted.

Commit complete.

SQL> SELECT * FROM SECTION_63;

SECTION_ID	TIME_OFFER	DAY_OFFER	COURSE_CODE	CLASS_SIZE	NUMBER_ENROLLED	COURSE_CODE	
3011236	10-12	MW	A101	55	45	11111	CS101
3012237	2-4	TTH	B202	44	38	22222	CS202
3013238	8-10	MW	C303	39	33	33333	CS303
3014239	12-2	MW	D404	66	55	44444	CS404
3015240	4-6	TTH	E505	61	50	55555	CS505
3016241	6-8	TTH	F606	33	28	66666	MATH101
3017242	8-10	MW	G707	44	37	77777	MATH202
3018243	10-12	TTH	H808	50	42	88888	ENG101
3019244	2-4	MW	I909	39	31	99999	PHY101
3020245	12-2	TTH	J1010	33	29	12345	PHY202

10 rows selected.

12:

SQL> DELETE FROM COURSE_63 WHERE COURSE_CODE='PHY101';

DELETE FROM COURSE_63 WHERE COURSE_CODE='PHY101'

*

ERROR at line 1:

ORA-02292: integrity constraint (CS27021.SYS_C0017340) violated - child record found

13:

SQL> SELECT SECTION_ID, TIME_OFFERED, DAY_OFFERED, COURSE_CODE FROM
SECTION_63 WHERE CLASS_SIZE BETWEEN 40 AND 50 AND DAY_OFFERED LIKE 'M%';

SECTION_ID	TIME_OFFER	DAY_OFFER	COURSE_CODE
3017242	8-10	MW	MATH202

14:

```
SQL> SELECT COURSE_CODE,COURSE_TITLE,COURSE_HOURS FROM COURSE_63
WHERE COURSE_HOURS=4 ORDER BY COURSE_CODE DESC;
```

COURSE_CODE	COURSE_TITLE	COURSE_HOURS
PHY202	PHYSICS II	4
PHY101	PHYSICS I	4
CS505	SOFTWARE ENGINEERING	4
CS202	DATA STRUCTURES	4

15:

```
SQL> INSERT INTO SECTION_63 VALUES('3025486','2-4','MW','D888',88,25,'11111','CS101');
```

1 row created.

```
SQL>INSERT INTO SECTION_63 VALUES('3030596','6-8','TTH','G999',55,66,'11111','CS101');
```

1 row created.

```
SQL> SELECT * FROM SECTION_63;
```

SECTION_CODE	TIME_OFFER	DAY	OFFER	SECTION_CODE	CLASS_SIZE	NUMBER_ENROLLED	INSTR	COURSE_CODE
--------------	------------	-----	-------	--------------	------------	-----------------	-------	-------------

3011236	10-12	MW	A101	55	45	11111		CS101
3012237	2-4	TTH	B202	44	38	22222		CS202
3013238	8-10	MW	C303	39	33	33333		CS303
3014239	12-2	MW	D404	66	55	44444		CS404
3015240	4-6	TTH	E505	61	50	55555		CS505
3016241	6-8	TTH	F606	33	28	66666		MATH101
3017242	8-10	MW	G707	44	37	77777		MATH202
3018243	10-12	TTH	H808	50	42	88888		ENG101
3019244	2-4	MW	I909	39	31	99999		PHY101
3020245	12-2	TTH	J1010	33	29	12345		PHY202
3025486	2-4	MW	D888	88	25	11111		CS101

SECTION_CODE	TIME_OFFER	DAY	OFFER	SECTION_CODE	CLASS_SIZE	NUMBER_ENROLLED	INSTR	COURSE_CODE
--------------	------------	-----	-------	--------------	------------	-----------------	-------	-------------

3030596	6-8	TTH	G999	55	66	11111		CS101
---------	-----	-----	------	----	----	-------	--	-------

12 rows selected.

```
SQL> SELECT INSTRUCTOR_ID, SUM(CLASS_SIZE) FROM SECTION_63 GROUP BY  
INSTRUCTOR_ID;
```

INSTR	SUM(CLASS_SIZE)
22222	44
11111	198
55555	61
66666	33
33333	39
88888	50
12345	33
77777	44
44444	66
99999	39

10 rows selected.

16:

```
SQL> SELECT STUD_NO, SECTION_ID, GRADE FROM ENROLLMENT_63 WHERE GRADE  
IN ('B+', 'B', 'B-');
```

STUD_NO	SECTION	GRAD
222222222	3012237	B+
333333333	3013238	B-
123456789	3020245	B-

17:

```
SQL> SELECT COURSE_CODE, AVG(CLASS_SIZE) FROM SECTION_63 GROUP BY  
COURSE_CODE;
```

COURSE_	AVG(CLASS_SIZE)
CS303	39
ENG101	50
CS404	66

CS505	61
MATH101	33
PHY101	39
CS101	66
CS202	44
MATH202	44
PHY202	33

10 rows selected.

18:

SQL> SELECT

INSTRUCTOR_FNAME,INSTRUCTOR_LNAME,TIME_OFFERED,DAY_OFFERED,SECTION_
ROOM,COURSE_CODE,COURSE_TITLE FROM (INSTRUCTOR_63 NATURAL JOIN
COURSE_63 NATURAL JOIN SECTION_63) ORDER BY INSTRUCTOR_ID;

INSTRUCTOR_FNAM INSTRUCTOR_LNAM TIME_OFFER DAY_OFFERED SECTION_ COURSE_
COURSE_TITLE

KRISHNA	RAJ	6-8	TTH	G999	CS101	INTRODUCTION TO CS
KRISHNA	RAJ	2-4	MW	D888	CS101	INTRODUCTION TO CS
KRISHNA	RAJ	10-12	MW	A101	CS101	INTRODUCTION TO CS
BENSON	K	12-2	TTH	J1010	PHY202	PHYSICS II
SUMAN	T	2-4	TTH	B202	CS202	DATA STRUCTURES
STUTHY	KRISHNA	8-10	MW	C303	CS303	ALGORITHMS
MATHEW	JONES	12-2	MW	D404	CS404	DATABASE SYSTEMS
EMILY	WILLIAMS	4-6	TTH	E505	CS505	SOFTWARE ENGINEERING
DAVID	JOHNSON	6-8	TTH	F606	MATH101	MATHEMATICS I
MUHAMMED	NOUFAL	8-10	MW	G707	MATH202	MATHEMATICS II
MANOJ	EBRAHAM	10-12	TTH	H808	ENG101	ENGLISH COMPOSITION
SUTHARSHAN	K	2-4	MW	I909	PHY101	PHYSICS I

12 rows selected.

19:

SQL> SELECT STUD_FNAME,STUD_LNAME,SECTION_ID,GRADE FROM STUDENT_63
NATURAL JOIN ENROLLMENT_63;

STUD_FNAME	STUD_LNAME	SECTION GRAD
JOHN	SMITH	3011236 A
MARY	JOHNSON	3012237 B+

DAVID	WILLIAMS	3013238 B-
EMMA	JONES	3014239 A-
RAJEEV	T	3015240 C
PRASAD	KRISHNA	3016241 B
EMILY	DAVIS	3017242 C+
AMEYA	ANDERSON	3020245 B-
ANJALI	T	3019244 D

9 rows selected.

20:

```
SQL> INSERT INTO STUDENT_63 VALUES('198673549','RAJ','DEVA','176 GAL
ST','COCHIN','KL','683576');
```

1 row created.

```
SQL> SELECT * FROM STUDENT_63;
```

STUD_NO	STUD_LNAME	STUD_FNAME	ADDRESS	CITY	ST	POSTAL
111111111	SMITH	JOHN	123 MAIN ST	COCHIN	KL	10001
222222222	JOHNSON	MARY	456 ELM ST	ALUVA	KL	90001
333333333	WILLIAMS	DAVID	789 OAK ST	ANGAMALY	KL	60007
444444444	JONES	EMMA	101 PINE ST	AROOR	KL	77001
555555555	T	RAJEEV	555 MAPLE ST	COCHIN	KL	33101
666666666	KRISHNA	PRASAD	222 WILLOW ST	ANGAMALY	KL	92101
777777777	DAVIS	EMILY	333 OAKWOOD RD	EROOR	KL	85001
123456789	ANDERSON	AMEYA	888 ELMWOOD DR	ANGAMALY	KL	75201
888888888	RAJ	KEVIN	444 CEDAR LN	ALUVA	KL	19019
999999999	T	ANJALI	777 BRICH AVE	MOKKANNOOR	KL	78201
987654321	ABEY	TIMOTHI	333 AK ST	ANGAMALY	KL	179345

STUD_NO	STUD_LNAME	STUD_FNAME	ADDRESS	CITY	ST	POSTAL
198673549	RAJ	DEVA	176 GAL ST	COCHIN	KL	683576

12 rows selected.

```
SQL> ED
```

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```

1* SELECT STUD_FNAME,STUD_LNAME FROM STUDENT_63 WHERE STUD_NO NOT IN
(SELECT STUD_NO FROM ENROLLMENT_63)
SQL> /

```

STUD_FNAME	STUD_LNAME
TIMOTHI	ABEY
DEVA	RAJ
KEVIN	RAJ

21:

```

SQL> INSERT INTO COURSE_63 VALUES('CS240','WEB TECHNOLOGIES','4');

```

1 row created.

Commit complete.

```

SQL> INSERT INTO SECTION_63
VALUES('3182673','2-4','MW','BLGNG102','35','0','11113','CS240');

```

1 row created.

Commit complete.

```

SQL> INSERT INTO ENROLLMENT_63 VALUES('987654321','3182673','F','2-4');

```

1 row created.

```

SQL> SELECT ST.* FROM STUDENT_63 ST JOIN ENROLLMENT_63 E ON ST.STUD_NO =
E.STUD_NO JOIN SECTION_63 SE ON SE.SECTION_ID = E.SECTION_ID JOIN
COURSE_63 C ON SE.COURSE_CODE = C.COURSE_CODE WHERE C.COURSE_TITLE =
'WEB TECHNOLOGIES' AND E.GRADE = 'F';

```

STUD_NO	STUD_LNAME	STUD_FNAME	ADDRESS	CITY	ST	POSTAL
987654321	ABEY	TIMOTHI	333 AK ST	ANGAMALY	KL	179345