1- Department Table

```sql
-- CREATE TABLE Department(

-- DEPARTMENT_ID          INT          PRIMARY KEY,
-- DEPARTMENT_NAME        varchar(20)

-- );

-- INSERT INTO DEPARTMENT(DEPARTMENT_ID , DEPARTMENT_NAME)
-- VALUES

-- (1001,           'CS'),
-- (1002,           'CE'),
-- (1003,           'BBA'),
-- (1004,           'EE'),
-- (1005,           'ARTS'),
-- (1006,           'ME'),
-- (1007,           'MBBS'),
-- (1008,           'PHOTOGRAPHY');
```

Output:

DEPARTMENT_ID	DEPARTMENT_NAME
1001	CS
1002	CE
1003	BBA
1004	EE
1005	ARTS
1006	ME
1007	MBBS
1008	PHOTOGRAPHY

2- Personal_Detail Table

```sql
-- INSERT INTO PERSONAL_DETAIL
-- (
-- Reg_no, student_Name,    student_cast,    student_age,    gender, student_Email,    student_number,    student_status,    religion,
-- Father_Name,             Father_CNIC,    Father_job,    Father_phone_number,    Father_salary,    siblings, city, province,
-- dept_id
-- )

-- VALUES

-- (320203,        'NIAZ-AHMED',        'MEMON',    17,        'M',                'niazmwofn@gmail.com',
-- '0331-4512124', 'SINGLE',            'ISLAM',    'NAZEER',    '41101-4392143-7' ,    'Manager',
-- '0333-1243500' , 50000 ,            3,        'KARACHI',    'SINDH',    1001),


-- (341209,        'DANIYAL-SAIF',        'MEMON',    20,        'M',                'daniyalm@gmail.com',
-- '0321-4512321', 'SINGLE',            'ISLAM',    'SAIF',    '41101-4395353-7' ,    'CHEMIST',
-- '0313-1267560' , 150000 ,            4,        'KARACHI',    'SINDH',    1001),


-- (330201,        'KASHIF',        'GUJJAR',        22,        'M',                'kashifmn@gmail.com',
-- '0331-4567824', 'MARIED',        'ISLAM',        'GHAFUR',    '41101-4334533-7' ,    'ENGINEER',
-- '0313-1243599' , 60000 ,            3,        'MULTAN',    'PUNJAB',    1001),


-- (314143,        'ADNAN',            'KHATTAK',    24,        'M',                'adnsnm@gmail.com',
-- '0331-1250504', 'MARIED',        'ISLAM',        'AHMED',    '41101-5014143-7' ,    'TEACHER',
-- '0333-1225600' , 80000 ,            6,            'ISLAMABAD',    'PUNJAB', 1002),


-- (150603,        'SHAHROZ',        'SAYED',    20,        'M',                'sayedsh@gmail.com',
-- '0321-6516164', 'SINGLE',        'ISLAM',        'ALI',    '41101-5491233-8' ,    'MAJOR',
-- '0343-1649599' , 90000 ,            3,        'ISLAMABAD',    'PUJAB',    1002),


-- (250203,        'AHMED',            'RAJPUT',        21,        'M',                'ahmedme@gmail.com',
-- '0331-7572727', 'MARRIED',            'ISLAM',        'ARSHAD',    '41101-4888884-8' ,    'SALESMAN',
-- '0333-1212502' , 15000 ,            2,                'SUKKUR',    'SINDH', 1003),


-- (720203,        'RAFAY',            'AWAN',        23,        'M',                'rafay34@gmail.com',
-- '0331-5011414', 'MARRIED',            'ISLAM',    'AYAZ',    '41101-4777773-7' ,    'DOCTOR',
-- '0333-4545455' , 45000 ,            4,            'HYDERABABD',    'SINDH', 1003),


-- (880808,        'ANUS',            'MEMON',    20,        'M',                'anusmm21@gmail.com',
-- '0331-5050505', 'SINGLE',            'ISLAM',    'AZIZ',    '41101-4444444-7' ,    'SHOPKEEPER',
-- '0333-3333332' , 25000 ,            5,        'BADIN',    'SINDH',    1003),
```

```
--  (920203,          'ARIF',            'JAFFRI',      21,        'M',                    'arifm12@gmail.com',
--  '0331-1234567',   'SINGLE',          'ISLAM',   'RAHIM',    '41101-4123456-7' ,    'CLERK',
--  '0333-0987654' ,   20000 ,               '3',        'LAHORE',   'PUNJAB', 1004),


--  (110201,          'YAQOOB',          'MALIK',       22,        'M',                    'yaqoob12@gmail.com',
--  '0331-1111114',   'MARRIED',          'ISLAM',    'ISMAIL',   '41101-4311111-3' ,    'BARRISTER',
--  '0333-1200000' ,   500000 ,               3,        'MULTAN',    'PUNJAB', 1004),


--  (222223,          'BALAJ',           'RIND',        23,        'M',                    'balajm56@gmail.com',
--  '0331-4544444',   'SINGLE',           'ISLAM',    'MAQSOD',   '41101-4355155-5' ,    'PROFESSOR',
--  '0333-1245600' ,   50000 ,               2,        'QUETTA',    'BALUCHISTAN', 1005),


--  (460203,          'BASIT',           'MUGHAL',      22,        'M',                    'abdulb78@gmail.com',
--  '0335-4555665',   'MARRIED',          'ISLAM',    'WAQAR',    '41101-4956433-7' ,    'SCIENTIST',
--  '0333-6666124' ,   150000 ,               6,        'FAISALABAD',    'PUNJAB', 1005),


--  (440808,          'AQSA',            'CHOUDRY',     21,        'F',                    'alaqs78@gmail.com',
--  '0333-4553533',   'SINGLE',          'ISLAM',    'ASLAM',    '41101-4951413-1' ,    'POLICE-OFFICER',
--  '0323-6666555' ,   55000 ,               3,        'RAWALPINDI',    'PUNJAB', 1006),

  --  (740209,          'MUSKAN',         'PATHAN',      18,        'F',                    'muskank789@gmail.com',
  --  '0317-4555777',   'SINGLE',         'ISLAM',    'ZAKA',    '41101-4252423-2' ,    'COMPANY-INCHARGE',
  --  '0311-6611624' ,   200000 ,               4,        'MIRPURKHAS',    'SINDH', 1006),


  --  (333344,          'BAKHTAWAR',      'MUGHAL',      23,        'F',                    'bakhtawar@gmail.com',
  --  '0343-4552225',   'MARRIED',         'ISLAM',    'DANIISH',   '41101-4222233-0' ,    'SALES-MAN',
  --  '0333-6662222' ,   100000 ,               6,        'GUJRAWALA',    'PUNJAB',1007),


  --  (301287,          'NAYAB',          'KUMBHAR',     19,        'F',                    'nayab78@gmail.com',
  --  '0335-4550000',   'SINGLE',         'ISLAM',    'TAMOOR',   '41101-4514433-9' ,    'DOCTOR',
  --  '0333-0099994' ,   71000 ,               5,        'KALAT',    'BALUCHISTAN', 1007),


  --  (440303,          'MISBHAH',        'MUGHAL',      21,        'F',                    'misbhah@gmail.com',
  --  '0335-4555555',   'SINGLE',         'ISLAM',    'RIAZ',     '41101-1451450-2' ,    'TEACHER',
  --  '0333-0125124' ,   85000 ,               6,        'NAWABSHAH',    'SINDH',1008),


  --  (440203,          'AREESHA',        'AFRIDI',      18,        'F',                    'arniaz75@gmail.com',
  --  '0354-8787654',   'SINGLE',         'ISLAM',    'JAVED',    '41101-4955653-3' ,    'BUSSINESS-MAN',
  --  '0365-7654134' ,   150000 ,               5,        'JAMSHORO',    'SINDH', 1008);
```

OUTPUT:

○ L.H.S

Reg_no	student_Name	student_cast	student_age	gender	student_Email	student_number	student_status	religion	F
▶ 110201	YAQOOB	MALIK	22	M	yaqoob12@gmail.com	0331-1111114	MARRIED	ISLAM	ISI
150603	SHAHROZ	SAYED	20	M	sayedsh@gmail.com	0321-6516164	SINGLE	ISLAM	AL
222223	BALAJ	RIND	23	M	balajm56@gmail.com	0331-4544444	SINGLE	ISLAM	MA
250203	AHMED	RAJPUT	21	M	ahmedme@gmail.com	0331-7572727	MARRIED	ISLAM	AR
301287	NAYAB	KUMBHAR	19	F	nayab78@gmail.com	0335-4550000	SINGLE	ISLAM	TA
314143	ADNAN	KHATTAK	24	M	adnsnm@gmail.com	0331-1250504	MARIED	ISLAM	AH
320203	NIAZ-AHMED	MEMON	17	M	niazmwofn@gmail.com	0331-4512124	SINGLE	ISLAM	NA
330201	KASHIF	GUJJAR	22	M	kashifmn@gmail.com	0331-4567824	MARIED	ISLAM	GH
333344	BAKHTAWAR	MUGHAL	23	F	bakhtawar@gmail.com	0343-4552225	MARRIED	ISLAM	DA
341209	DANIYAL-SAIF	MEMON	20	M	daniyalm@gmail.com	0321-4512321	SINGLE	ISLAM	SA
440203	AREESHA	AFRIDI	18	F	arniaz75@gmail.com	0354-8787654	SINGLE	ISLAM	JA
440303	MISBHAH	MUGHAL	21	F	misbhah@gmail.com	0335-4555555	SINGLE	ISLAM	RI
440808	AQSA	CHOUDRY	21	F	alaqs78@gmail.com	0333-4553533	SINGLE	ISLAM	AS
460203	BASIT	MUGHAL	22	M	abdulb78@gmail.com	0335-4555665	MARRIED	ISLAM	W.
720203	RAFAY	AWAN	23	M	rafay34@gmail.com	0331-5011414	MARRIED	ISLAM	AY
740209	MUSKAN	PATHAN	18	F	muskank789@gmail.com	0317-4555777	SINGLE	ISLAM	ZA
880808	ANUS	MEMON	20	M	anusmm21@gmail.com	0331-5050505	SINGLE	ISLAM	AZ
920203	ARIF	JAFFRI	21	M	arifm12@gmail.com	0331-1234567	SINGLE	ISLAM	RA
* NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NUL

○ R.H.S

Father_Name	Father_CNIC	Father_job	Father_phone_number	Father_salary	siblings	city	province	dept_id
ISMAIL	41101-4311111-3	BARRISTER	0333-1200000	500000	3	MULTAN	PUNJAB	1004
ALI	41101-5491233-8	MAJOR	0343-1649599	90000	3	ISLAMABAD	PUJAB	1002
MAQSOD	41101-4355155-5	PROFESSOR	0333-1245600	50000	2	QUETTA	BALUCHISTAN	1005
ARSHAD	41101-4888884-8	SALESMAN	0333-1212502	15000	2	SUKKUR	SINDH	1003
TAMOOR	41101-4514433-9	DOCTOR	0333-0099994	71000	5	KALAT	BALUCHISTAN	1007
AHMED	41101-5014143-7	TEACHER	0333-1225600	80000	6	ISLAMABAD	PUNJAB	1002
NAZEER	41101-4392143-7	Manager	0333-1243500	50000	3	KARACHI	SINDH	1001
GHAFUR	41101-4334533-7	ENGINEER	0313-1243599	60000	3	MULTAN	PUNJAB	1001
DANIISH	41101-4222233-0	SALES-MAN	0333-6662222	100000	6	GUJRAWALA	PUNJAB	1007
SAIF	41101-4395353-7	CHEMIST	0313-1267560	150000	4	KARACHI	SINDH	1001
JAVED	41101-4955653-3	BUSSINESS...	0365-7654134	150000	5	JAMSHORO	SINDH	1008
RIAZ	41101-1451450-2	TEACHER	0333-0125124	85000	6	NAWABSHAH	SINDH	1008
ASLAM	41101-4951413-1	POLICE-OF...	0323-6666555	55000	3	RAWALPINDI	PUNJAB	1006
WAQAR	41101-4956433-7	SCIENTIST	0333-6666124	150000	6	FAISALABAD	PUNJAB	1005
AYAZ	41101-4777773-7	DOCTOR	0333-4545455	45000	4	HYDERABABD	SINDH	1003
ZAKA	41101-4252423-2	COMPANY-I...	0311-6611624	200000	4	MIRPURKHAS	SINDH	1006
AZIZ	41101-4444444-7	SHOPKEEPER	0333-3333332	25000	5	BADIN	SINDH	1003
RAHIM	41101-4123456-7	CLERK	0333-0987654	20000	3	LAHORE	PUNJAB	1004
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3-   TEACHER DETAIL Table

```
-- INSERT INTO Teacher_Detail
-- (
-- Teacher_id,        Teacher_Name,     Grades,      Teacher_Email,   no_of_subjects,     doj

-- )values

-- ( 10,           'MR BILAL-AHMED',     18,         'ahmedbilal@gmail.com',    3,       '2017-12-11'   ),
-- ( 20,           'MR WAHID-AHMED',     17,         'wahide34@gmail.com',      1,       '2018-11-10'   ),
-- ( 30,           'MR HASART-AHMED',    18,         'hasart22@gmail.com',      2,        '2019-01-08'  ),
-- ( 40,           'MR SAAD-Qaiser',     17,         'saad123@gmail.com',       1,       '2018-02-10'   ),
-- ( 50,            'MISS RABIA',        16,         'rabiach12@gmail.com',     1,        '2019-12-11'  ),
-- ( 60,            'DR: AYESHA',        18,         'ayesha12@gmail.com',      2,        '2016-11-01'  ),
-- ( 70,            'MR ROZI-KHAN',      17,         'rozikhan@gmail.com',      1,        '2015-05-20'  ),
-- ( 80,            'MISS MARYAM',       18,         'maryam78@gmail.com',      1,        '2018-11-01'  ),
-- ( 90,            'MR WAQAS-KHAN',     16,         'waqaskhan@gmail.com',     1,        '2020-09-18'  ),
-- ( 02,           'MISS MAHY-MUBEEN',   18,         'mahymaha@gmail.com',      2,        '2018-04-10'  ),
-- ( 4,             'MR AHMED',          17,         'ahmed69@gmail.com',       1,        '2019-02-27'  ),
-- ( 5,             'MR ABID',           16,         'ahmedabid@gmail.com',     1,        '2019-02-16'  ),
-- ( 100,          'Dr ALMGIR',          18,         'alamgir21@gmail.com',     1,        '2015-12-22'  ),
-- ( 55,           'Mrs ARFFA-RASHID',   16,         'arfaras21@gmail.com',     1,        '2019-06-22'  ),
-- ( 95,           'MR ASFAND-YAR',      17,         'asfand78@gmail.com',      1,        '2019-06-12'  );
```

OUTPUT:

Teacher_id	Teacher_Name	Grades	Teacher_Email	no_of_subjects	doj
2	MISS MAHY-MUBEEN	18	mahymaha@gmail.com	2	2018-04-10
4	MR AHMED	17	ahmed69@gmail.com	1	2019-02-27
5	MR ABID	16	ahmedabid@gmail.com	1	2019-02-16
10	MR BILAL-AHMED	18	ahmedbilal@gmail.com	3	2017-12-11
20	MR WAHID-AHMED	17	wahide34@gmail.com	1	2018-11-10
30	MR HASART-AHMED	18	hasart22@gmail.com	2	2019-01-08
40	MR SAAD-Qaiser	17	saad123@gmail.com	1	2018-02-10
50	MISS RABIA	16	rabiach12@gmail.com	1	2019-12-11
55	Mrs ARFFA-RASHID	16	arfaras21@gmail.com	1	2019-06-22
60	DR: AYESHA	18	ayesha12@gmail.com	2	2016-11-01
70	MR ROZI-KHAN	17	rozikhan@gmail.com	1	2015-05-20
80	MISS MARYAM	18	maryam78@gmail.com	1	2018-11-01
90	MR WAQAS-KHAN	16	waqaskhan@gmail.com	1	2020-09-18
95	MR ASFAND-YAR	17	asfand78@gmail.com	1	2019-06-12
100	Dr ALMGIR	18	alamgir21@gmail.com	1	2015-12-22
NULL	NULL	NULL	NULL	NULL	NULL

4-   COURSE TABLE

```sql
--   INSERT  INTO student_course

-- ( course_name ,      course_id ,      teacher_id ,      course_completed ,      course_credits,   dept_id
-- VALUES

--  ('PROGRAMMING',           100,          40,          'YES',              3,          1001)
-- ('ICT',                    200,          10,          'YES',              3,          1002)
-- ('DISCRETE MATHS',         300,          100,         'YES',              3,          1002


-- ('ISLAMIAT',               400,          55,          'YES',              2,          1002)
-- ('COMMUNICATION SKILL' ,   500,          50,          'YES',              2,          1002)
-- ('CALCULUS I',             600,          30,          'YES',              3,          1003)

-- ('DIGITAL LOGIC DESIGN',   700,          5,           'YES',              3,          1003)
-- ('CALCULUS 2',             800,          30,          'YES',              3,          1004)
-- ('APPLIED PHYSICS',        900,          95,          'YES',              3,          1004)

-- ('E.ECONOMICS',            1000,         10,          'YES',              2,          1005)
-- ('PAK STUDIES',            50,           4,           'YES',              2,          1001)
-- ('LINEAR ALGEBRA',         150,          20,          'NO',               3,          1005)

-- ('COAL' ,                  250,          10,          'NO',               3,          1006)


-- ('DATA STRUCTURE',         350,          60,          'NO',               3,          1006),

-- ('DATABASE',               450,          60,          'NO',               3,          1007),
-- ('T&BW',                   550,          80,          'NO',               2,          1007),

-- ('COAL LAB',               650,          02,          'NO',               1,          1006),
-- ('ICT LAB',                750,          02,          'NO',               1,          1008 ),

-- ('DBMS LAB',               850,          90,          'yes',              1,          1008 ),
-- ('programming LAB',        950,          70,          'NO',               1 ,         1008);
```

OUTPUT:

course_name	course_id	teacher_id	course_completed	course_credits	Dept_id
PAK STUDIES	50	4	YES	2	1001
PROGRAMMING	100	40	YES	3	1001
LINEAR ALGEBRA	150	20	NO	3	1005
ICT	200	10	YES	3	1002
COAL	250	10	NO	3	1006
DISCRETE MATHS	300	100	YES	3	1002
DATA STRUCTURE	350	60	NO	3	1006
ISLAMIAT	400	55	YES	2	1002
DATABASE	450	60	NO	3	1007
COMMUNICATION SKILL	500	50	YES	2	1002
T&BW	550	80	NO	2	1007
CALCULUS I	600	30	YES	3	1003
COAL LAB	650	2	NO	1	1006
DIGITAL LOGIC DESIGN	700	5	YES	3	1003
ICT LAB	750	2	NO	1	1008
CALCULUS 2	800	30	YES	3	1004
DBMS LAB	850	90	yes	1	1008
APPLIED PHYSICS	900	95	YES	3	1004
programming LAB	950	70	NO	1	1008
E.ECONOMICS	1000	10	YES	2	1005
NULL	NULL	NULL	NULL	NULL	NULL

5- Student_marks Table

```
--  INSERT INTO  student_marks

--  (total_marks,          marks_obtained,          student_id)

-- VALUES

-- (50,                    27,                      320203),
-- (50,                    28,                      341209),
-- (50,                    37,                      330201),
-- (50,                    47,                      314143),
-- (50,                    48,                      250203),
-- (50,                    50,                      150603),
-- (50,                    42,                      720203),
-- (50,                    36,                      880808),
-- (50,                    48,                      920203),
-- (50,                    41,                      110201),
-- (50,                    32,                      222223),
-- (50,                    39,                      460203),
-- (50,                    35,                      440808),
-- (50,                    30,                      740209),
-- (50,                    45,                      333344),
-- (50,                    44,                      301287),
-- (50,                    25,                      440303),
-- (50,                    48,                      440203);
--  _____
```

student_id	total_marks	marks_obtained
110201	50	41
150603	50	50
222223	50	32
250203	50	48
301287	50	44
314143	50	47
320203	50	27
330201	50	37
333344	50	45
341209	50	28
440203	50	48
440303	50	25
440808	50	35
460203	50	39
720203	50	42
740209	50	30
880808	50	36
920203	50	48

6-   Student society Table

```
-- INSERT INTO student_societies
-- (student_id,      society_name)
-- values

-- (110201,          'Media'),
-- (222223,          'Debate'),
-- (460203,          'Drama'),
-- (440808,          'Adventure'),
-- (740209,          'Drama'),
-- (333344,          'Adventure'),
-- (301287,          'Debate'),
-- (440203,          'Adventure'),
-- (320203,          'Sports'),
-- (341209,          'Drama'),
-- (330201,          'Sports'),
-- (314143,          'Literacy'),
-- (150603,          'Debate'),
-- (250203,          'Media'),
-- (720203,          'Drama'),
-- (880808,          'Literacy'),
-- (920203,          'Sports');
```

OUTPUT:

student_id	society_name
110201	Media
222223	Debate
460203	Drama
440808	Adventure
740209	Drama
333344	Adventure
301287	Debate
440203	Adventure
320203	Sports
341209	Drama
330201	Sports
314143	Literacy
150603	Debate
250203	Media
720203	Drama
880808	Literacy
920203	Sports

UPDATE COMMAND

1-   Teacher detail Table

```
UPDATE Teacher_Detail SET no_of_subjects =2
    WHERE Teacher_id = 100
```

OUTPUT:

Teacher_id	Teacher_Name	Grades	Teacher_Email	no_of_subjects	doj
2	MISS MAHY-MUBEEN	18	mahymaha@gmail.com	2	2018-04-10
4	MR AHMED	17	ahmed69@gmail.com	1	2019-02-27
5	MR ABID	16	ahmedabid@gmail.com	1	2019-02-16
10	MR BILAL-AHMED	18	ahmedbilal@gmail.com	3	2017-12-11
20	MR WAHID-AHMED	17	wahide34@gmail.com	1	2018-11-10
30	MR HASART-AHMED	18	hasart22@gmail.com	2	2019-01-08
40	MR SAAD-Qaiser	17	saad123@gmail.com	1	2018-02-10
50	MISS RABIA	16	rabiach12@gmail.com	1	2019-12-11
55	Mrs ARFFA-RASHID	16	arfaras21@gmail.com	1	2019-06-22
60	DR: AYESHA	18	ayesha12@gmail.com	2	2016-11-01
70	MR ROZI-KHAN	17	rozikhan@gmail.com	1	2015-05-20
80	MISS MARYAM	18	maryam78@gmail.com	1	2018-11-01
90	MR WAQAS-KHAN	16	waqaskhan@gmail.com	1	2020-09-18
95	MR ASFAND-YAR	17	asfand78@gmail.com	1	2019-06-12
100	Dr ALMGIR	18	alamgir21@gmail.com	2	2015-12-22
NULL	NULL	NULL	NULL	NULL	NULL

2-   Student_course Table

```
UPDATE student_course SET teacher_id =100
    WHERE course_id = 700
```

course_name	course_id	teacher_id	course_completed	course_credits	Dept_id
PAK STUDIES	50	4	YES	2	1001
PROGRAMMING	100	40	YES	3	1001
LINEAR ALGEBRA	150	20	NO	3	1005
ICT	200	10	YES	3	1002
COAL	250	10	NO	3	1006
DISCRETE MATHS	300	100	YES	3	1002
DATA STRUCTURE	350	60	NO	3	1006
ISLAMIAT	400	55	YES	2	1002
DATABASE	450	60	NO	3	1007
COMMUNICATION SKILL	500	50	YES	2	1002
T&BW	550	80	NO	2	1007
CALCULUS I	600	30	YES	3	1003
COAL LAB	650	2	NO	1	1006
DIGITAL LOGIC DESIGN	700	100	YES	3	1003
ICT LAB	750	2	NO	1	1008
CALCULUS 2	800	30	YES	3	1004
DBMS LAB	850	90	yes	1	1008
APPLIED PHYSICS	900	95	YES	3	1004
programming LAB	950	70	NO	1	1008
E.ECONOMICS	1000	10	YES	2	1005
NULL	NULL	NULL	NULL	NULL	NULL

3- STUDENT MARKS

```
UPDATE student_marks SET  marks_obtaine = 40
     WHERE   student_id = 222223
```

student_id	total_marks	marks_obtained
110201	50	41
150603	50	50
222223	50	40
250203	50	48
301287	50	44
314143	50	47
320203	50	27
330201	50	37
333344	50	45
341209	50	28
440203	50	48
440303	50	25
440808	50	35
460203	50	39
720203	50	42
740209	50	30
880808	50	36
920203	50	48
NULL	NULL	NULL

4-   Personal detail Table

```
UPDATE PERSONAL_DETAIL SET dept_id = 1001
     WHERE Reg_no = 110201
```

OUTPUT

Reg_no	student_Name	dept_id
110201	YAQOOB	1001

DELETE COMMAND

student_course TABLE

Delete a particular course from student course Table

```
DELETE FROM student_course  WHERE  course_id  = 100
```

OUTPUT:

After deleting there is no course exist in student_course whose id is 100

course_id	course_name
50	PAK STUDIES
150	LINEAR ALGEBRA
200	ICT
250	COAL
300	DISCRETE MATHS
350	DATA STRUCTURE
400	ISLAMIAT
450	DATABASE
500	COMMUNICATION SKILL
550	T&BW
600	CALCULUS I
650	COAL LAB
700	DIGITAL LOGIC DESIGN
750	ICT LAB
800	CALCULUS 2
850	DBMS LAB
900	APPLIED PHYSICS
950	programming LAB
1000	E.ECONOMICS
NULL	NULL

2- Delete details of particular student

```
ALTER TABLE student_marks

    ADD CONSTRAINT student_marks
        FOREIGN KEY (student_id)
        REFERENCES PERSONAL_DETAIL (Reg_no)
        ON DELETE CASCADE;
```

```
ALTER TABLE student_societies
    ADD CONSTRAINT student_societies
        FOREIGN KEY (student_id)
        REFERENCES  PERSONAL_DETAIL(Reg_no)
        ON DELETE CASCADE ;
```

When we delete a student from Personal_Detail (Parent-Entity) its detail is Automatically delete from all the related Entity (Child-Entities).

For Example: when we delete or remove a student whose reg_no is 330201 then its detail is remove from all child Entities (student_societies, student_marks).

DELET QUERY:

```sql
DELETE FROM
    PERSONAL_DETAIL
    WHERE Reg_no = 330201
```

DISPLAY QUERY:

```sql
SELECT  reg_no, student_Name
    FROM  PERSONAL_DETAIL
```

Output of Personal_Detail :

There is no student is exist whose Reg_no is 330201

reg_no	student_Name
110201	YAQOOB
150603	SHAHROZ
222223	BALAJ
250203	AHMED
301287	NAYAB
314143	ADNAN
320203	NIAZ-AHMED
333344	BAKHTAWAR
440203	AREESHA
440303	MISBHAH
440808	AQSA
460203	BASIT
720203	RAFAY
740209	MUSKAN
880808	ANUS
920203	ARIF

student_marks Table

DISPLAY QUERY:

```
SELECT * FROM student_marks
```

OUTPUT:

There is no student is exist whose Reg_no is 330201

student_id	total_marks	marks_obtained
110201	50	41
150603	50	50
222223	50	32
250203	50	48
301287	50	44
314143	50	47
320203	50	27
333344	50	45
440203	50	48
440303	50	25
440808	50	35
460203	50	39
720203	50	42
740209	50	30
880808	50	36
920203	50	48
NULL	NULL	NULL

student_societies Table

DISPLAY QUERY:

```
SELECT * FROM student_societies
```

OUTPUT:

There is no student is exist whose Reg_no is 330201

student_id	society_name
110201	Media
222223	Debate
460203	Drama
440808	Adventure
740209	Drama
333344	Adventure
301287	Debate
440203	Adventure
320203	Sports
314143	Literacy
150603	Debate
250203	Media
720203	Drama
880808	Literacy
920203	Sports