DBMS PROJECT

TITLE:

STUDENT FEES MANAGEMENT SYSTEM

SUBMITTEDBY

19BCS0012-G.NITHISH

19BCS0009- A.NAVEEN

19BCS0004- C.BALAJI

SUBMITTED TO

PROF. VANI.M.P



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1. INTRODUCTION:

It is one of the critical processes of a college. Fees management system has a problem to note the records of many students' fees at time. If student pay his/her fees it could access more time to entry the fees details and also if we want to know the particular person fees list it hard to display the full details of fees list. Students are wait in queue to pay their special fees, tuition fees, etc of that college manage fees required. The main problem is to display the particular student record with all kind of details like student name, reg no, course, address. When classes commence date, date of paid, signatures etc all will noted the particular person it is also a problem.

This system mainly reduces the work time and it is easy to maintain the records for a longer time than hand written records. The students can check details by just entering his/her reg no or name no need to search all the records of the students. Student can easily know the pending of fees with the last date. This system useful to save and maintain and calculate balance fees collected from student. Here students can pay fees easily .This system can easily view only information related to their own fee for student and parents

2. PROJECT SCOPE (IN FUTURE):

Fees management system aims the automation of the following processes:

This system mainly reduces the work time and it is easy to maintain the records for a longer time than hand written records. The students can check details by just entering his/her reg no or name no need to search all the records of the students. Student can easily know the pending of fees with the last date. This system useful to save and maintain and calculate balance fees collected from student. Here students can pay fees easily .This system can easily view only information related to their own fee for student and parents.

3. KEYCONTACTS ANDSTAKEHOLDER:

Registration number	Name	course
19BCS0004	C.BALAJI.	Bsc(cs)
19BCS0009	A.NAVEEN.	Bsc(cs)
19BCS0012	G.NITHISH.	Bsc(cs)

4. PROJECT RESOURSE REQUIREMENTS

SOFTWARE RESOURCE REQUIREMENTS

- ➤ Windows 10
- > Xampp
- > Mysql(commandprompt)

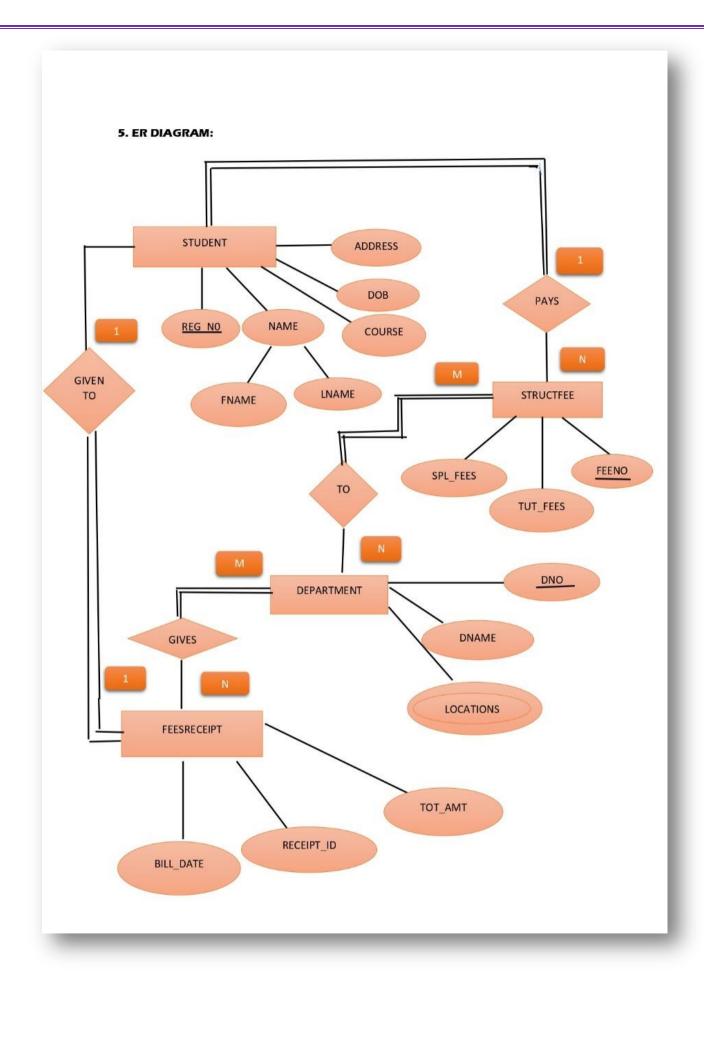


TABLE NAME: STUDENT

		-
ATTRIBUTE	DATATYPE	CONSTRAINTS
REG_NO	VARCHAR(10)	NOT NULL PRIMARY KEY
FNAME	CHAR(20)	DEFAULT NULL
LNAME	CHAR(10)	DEFAULT NULL
ADDRESS	VARCHAR(50)	DEFAULT NULL
DNO	INT	FOREIGN KEY
		REFERENCES(DEPARTMENT)
COURSE	CHAR(30)	DEFAULT NULL
DOB	INT(30)	DEFAULT NULL

TABLE NAME: DEPARTMENT

ATTRIBUTE	DATATYPE	CONSTRAINTS
DNO	INT	PRIMARY KEY(NOT NULL)
DNAME	CHAR(30)	DEFAULT NULL

TABLE NAME: DEPARTMENT_LOCATIONS

ATTRIBUTE	DATATYPE	CONSTRAINTS
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT)
DLOC	CHAR(30)	DEFAULT NULL

TABLE NAME: STRUCTFEE

ATTRIBUTE	DATATYPE	CONSTRAINTS
FEENO	INT(20)	PRIMARY KEY NOT NULL
TUT_FEES	INT(20)	DEAFULT NULL
SPL_FEES	INT(20)	DEFAULT NULL
REG_NO	VARCHAR(10)	FOREIGN KEY REFERENCES(STUDE NT)
DNO	INT	FOREIGN KEY

TABLE NAME: RECEIPT

ATTRIBUTE	DATATYPE	CONSTRAINTS
RECEIPT_ID	VARCHAR(20)	PRIMARY KEY NOT NULL
BILL_DATE	INT(20)	DEFAULT NULL
TOTAMT	INT(30)	DEFAULT NULL
REG_NO	VARCHAR(10)	FOREIGN KEY REFERENCES(STUDENT)
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT

7. QUERIES AND SCREENSHOT:

Student Table:

Creation:

```
mysql> create table student(
       reg no varchar(10) not null primary key,
    -> fname char(20),
    -> lname char(10),
   -> address varchar(50),
       dob int(30),
   -> dno int,
    -> course char(30),
    -> foreign key(dno) references department(dno));
Query OK, 0 rows affected (0.11 sec)
mysql> desc student;
                        | Null | Key | Default | Extra
 Field
          Type
 reg_no
           varchar(10)
                          NO
                                 PRI
                                       NULL
            char(20)
 fname
                          YES
                                        NULL
            char(10)
 1name
                          YES
                                        NULL
 address
            varchar(50)
                          YES
                                        NULL
                          YES
                                        NULL
 dob
            int(30)
            int(11)
                          YES
                                 MUL
 dno
                                       NULL
          | char(30)
 course
                          YES
                                       NULL
 rows in set (0.01 sec)
```

```
mysql> insert into student values('17BCS0097', 'MANJU', 'SRI', '67 DV STREET KANGEYANALLUR', '18/02/2000', '103', 'BCS');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('17BCS0021', 'MONI', 'MINI', '28 ANNA STREET PALMENER', '27/12/1999', '103', 'BCS');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('15BBE0001', 'BALA', 'MURUGAN', '18 DURAI STREET MADHANURR VELLORE', '27/10/1997', '104', 'BBE');
Query OK, 1 row affected, 1 warning (0.08 sec)

mysql> insert into student values('16BBE0048', 'PRIYA', 'BHATHRA', '21 VINUTH STREET CHENNAI', '12/04/1998', '104', 'BBE');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('17BBE0091', 'MANISH', 'YADAV', '101 KARPITH STREET ANDHRA', '22/04/1999', '104', 'ECE');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('15ECE0091', 'KANI', 'MOZHI', '31 DIKSHITH NAGAR VELLORE', '02/03/1997', '105', 'ECE(1)');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('15BAM0007', 'NAMMAN', 'LIANI', '22 KALITHKOIYA NAGAR KOLKATA', '12/03/1996', '106', 'BAM');
Query OK, 1 row affected, 1 warning (0.07 sec)

mysql> insert into student values('17BHM0025', 'DUTTA', 'MADDY', '10 MANPITH NAGAR MAHARASHTRA', '02/04/2000', '107', 'BHM');
Query OK, 1 row affected, 1 warning (0.08 sec)

mysql> insert into student values('17MS010082', 'PRAJIN', 'PADHMA', '24 MITHUN NAGAR SALEM', '01/07/1996', '108', 'MSBI');
Query OK, 1 row affected, 1 warning (0.08 sec)

mysql> insert into student values('15MCA0096', 'VINAI', 'MITHUN', '10TH KAINSH STREET MADURAI', '10/10/1995', '109', 'MCA');
Query OK, 1 row affected, 1 warning (0.08 sec)

mysql> insert into student values('16MB0002', 'VETRI', 'VINASH', '21TH BHARATHI STREET ANDHRA', '11/12/1998', '110', 'MBA');
Query OK, 1 row affected, 1 warning (0.08 sec)
```

reg_no	fname	lname	address	dob	dno	course
15BAM0007	NAMMAN	LIANI	22 KALITHKOIYA NAGAR KOLKATA	12	106	BAM
15BBA0028	ANU	RAGAV	35 BAKRITH NAGAR CHENNAI	25	101	BBA
15BBA0081	DIVYA	BHARATHI	44 KUMARAPPANAGAR VELORE	12	101	BBA
15BBA0109	PRIYA	PRANAV	21 KRIDH PRIXI KOLKATA	19	101	BBA
15BBE0001	BALA	MURUGAN	18 DURAI STREET MADHANURR VELLORE		104	BBE
15ECE0091	KANI	MOZHI	31 DIKSHITH NAGAR VELLORE	2	105	ECE(1)
15MCA0096	VINAI	MITHUN	10TH KAINSH STREET MADURAI	10	109	MCA
16BBE0048	PRIYA	BHATHRA	21 VINUTH STREET CHENNAI	12	104	BBE
16BCA0012	KRISHIKA	HARSHINI	32 BAKIYA NAGAR VELORE	12	102	BCA
16BCA0056	DIVYAA	DHARSHINI	14TH SMRITHISTREET BELGAUM	22	102	BCA
16BCA0109	RUPHANKAR	KILANI	20TH DIRMATHINSTREET MAHARASHTRA	30	102	BCA
16MBA0002	VETRI	VINASH	21TH BHARATHI STREET ANDHRA	11	110	MBA
17BBE0091	MANISH	YADAV	101 KARPITH STREET ANDHRA	22	104	ECE
17BCS0021	MONI	MINI	28 ANNA STREET PALMENER	27	103	BCS
17BCS0081	BANU	PRIYA	76 BONEMILLSITE VELLORE	2	103	BCS
17BCS0097	MANJU	SRI	67 DV STREET KANGEYANALLUR	18	103	BCS
17BHM0025	DUTTA	MADDY	10 MANPITH NAGAR MAHARASHTRA	2	107	BHM
17MSBI0082	PRAJIN	PADHMA	24 MITHUN NAGAR SALEM	1	108	MSBI

Department

table: Creation:

mysql> create table department(dno int not null primary key,dname char(30)); Query OK, 0 rows affected (0.16 sec)

Insertion:

Command Prompt - mysql -u root -p -h localhost

```
Query OK, 1 row affected (0.06 sec)
mysql> insert into department values(101,'scse');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department values(102,'scutin');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department values(104,'sense');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department values(105,'turtin');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department values(106,'scain');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department values(107,'schiun');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department values(108,'scuttle');
Query OK, 1 row affected (0.06 sec)
mysql> insert into department values(109,'creatin');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department values(110,'liopen');
Query OK, 1 row affected (0.08 sec)
 nysql> select*from department;
  dno | dname
   101
           scse
           scutin
   102
           sense
   105
           turtin
           scain
   107
   108
           scuttle
   109
           creatin
           liopen
```

DEPT_LOCATIONS

Creation:

```
mysql> create table department_locations(
-> dno int,
-> dloc char(30),
-> foreign key(dno) references department(dno));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> insert into department_locations values(101, 'annaauditorium');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department_locations values(102,'mgr block');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department_locations values(103,'library');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department_locations values(104,'bharathistadium');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department_locations values(105,'shasthriblock');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department_locations values(106, 'fblock');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department locations values(107,'geanyblock');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department locations values(108,'chandraboseblock');
Query OK, 1 row affected (0.08 sec)
mysql> insert into department_locations values(109,'egf block');
Query OK, 1 row affected (0.07 sec)
mysql> insert into department_locations values(110, 'mens block');
Query OK, 1 row affected (0.07 sec)
```

```
nysql> select*from department locations;
 dno | dloc
  101 | annaauditorium
  102 | mgr block
  103
       library
      | bharathistadium
  104
  105
       shasthriblock
        fblock
  106
        geanyblock
  107
        chandraboseblock
  108
  109
       egf block
  110 | mens block
10 rows in set (0.00 sec)
```

Structfee

table:

Creation:

```
mysql> create table structfee(
   -> feeno int(20)not null primary key,
    -> tut_fees int(20),
    -> spl fees int(20),
    -> reg_no varchar(10),
    -> dno int(20),
    -> foreign key(reg_no) references student(reg_no),
    -> foreign key(dno) references department(dno));
Query OK, 0 rows affected (0.15 sec)
mysql> desc structfee;
                         | Null | Key | Default | Extra |
 Field
         Type
                         NO
                                 PRI | NULL
 feeno
           int(20)
 tut fees | int(20)
                         YES
                                       NULL
 spl_fees | int(20)
                         YES
                                       NULL
            varchar(10) | YES
                                 MUL
                                       NULL
  reg no
                         YES
 dno
           int(20)
                               MUL NULL
5 rows in set (0.10 sec)
```

```
mysql> insert into structfee values(1234510,40000,5000,'15BBA0028',101);
Query OK, 1 row affected (0.07 sec)
mysql> insert into structfee values(1234529,40000,5000,'15BBA0081',101);
Query OK, 1 row affected (0.08 sec)
mysql> insert into structfee values(1234622,40000,5000,'15BBA0109',101);
Query OK, 1 row affected (0.08 sec)
mysql> insert into structfee values(2345672,100000,50000,'15BBE0001',104);
Query OK, 1 row affected (0.08 sec)
mysql> insert into structfee values(23245671,80000,32000,'15ECE0091',105);
Query OK, 1 row affected (0.03 sec)
mysql> insert into structfee values(23342151,100000,11000,'15MCA0096',109);
Query OK, 1 row affected (0.08 sec)
mysql> insert into structfee values(43256781,70000,5000,'16BBE0048',104);
Query OK, 1 row affected (0.07 sec)
mysql> insert into structfee values(43256781,40000,6000,'16BCA0012',102);
ERROR 1062 (23000): Duplicate entry '43256781' for key 'PRIMARY'
mysql> insert into structfee values(43256741,40000,6000,'16BCA0012',102);
Query OK, 1 row affected (0.07 sec)
mysql> insert into structfee values(43256743,40000,6000,'16BCA0056',102);
 Query OK, 1 row affected (0.07 sec)
mysql> insert into structfee values(43256323,40000,6000,'16BCA0109',102);
Query OK, 1 row affected (0.07 sec)
```

```
mysq1>insen:in:os:nuc:feevalues<12aJ510,J0000,5000,'15BB0028',101,;
Query OK, 1 row affected (0.07 sec)
mysql>inser:in:os:ruc:feevalues<12S4529,40000,5000,'1SBB0081',101,;
OueryCK, 1 row a flew -ed (0.88 3ec
mysql>inser: in:o s:ruc:fee values<12S4622,40000,5000,'1SBB 0109',101,; duer,'CK, 1 row = flew -edx' 8.88 sec /=
mysql>inser: in:o s:ruc:feevalues<2S45672,100000,50000,'1SBBE0001',104,; duer,'CK, frow a flew -ed<'8.88 sec
mysql>inser: in:o s:ruc:feevalues<2S245671,80000,52000,'1SECE0091',105,; duer,'CK, 1 row a flew -ed<'8.83 set
m;sql>inser: in:o s:ru::feevalues{2SS421S1,100000,11000,'151'CA0096',109,;
duer,'CK, 1 row a flew -ed('8.88 sec)
m; sql>in3e | In-o s-rue -fee . a1ues < 4 23 < 781, 78000, 3000, ' 10BBE 8048 ' ,104 / j due r,' cK, 1 row a flew -ed < 8. 87 sec ^\circ
m;sql>inser: in:os-ruc:feevalues<45256781,40000,6000,'16BCA0012',102,;
ERRCR 10o2 < 2300B}: Duplica-e en-ny'4%2?o781'fon<e; 'PRI!'AR"' mysql>insertintoscruccfeevalues<45256741,40000,6000,'18BCA0012',102,; Query
CK, 1 roe affe::ed<0.07 sec,.
mysql>inser: in:o s:ruc:feevalues<4S25674S,40000,6000,'18BCA00S8',102,;
Query CK, 1 roll a flew -ed( 0.87 3ec
mysql>inser: in:o s:ruc:feevalues<4S256S2S,40000,6000,'18BCA0109',102,;
duer, CK, 1 row a flew -ed (8.87 set
```

feeno	-ufees	spl_fees	neg_no	dno
252421		S000	17BHM002S	107
1254092		S000	1SB 1'0007	100
1254510		S000	1SBBA0028	10]
1254529		S000	1SBBA0081	10]
1234811	40000	S000	1SBBA0109	10]
2345872	100000	S0000	1SBBE0001	104
23245871	80000	32000	1SECE0091	10?
23250313	100000	S0000	181"BA0002	110
23342151	100000	11000	1SMCA0090	109
432So323			1oBCA0109	102
432So741			1oBCA0012	102
432So743			1oBCA00So	102
432So781		S000	1oBBE0048	104
232411121	100000	95000	17MSBI0082	108
232445453		S000	17BCS0097	103
2324So323	100000	S0000	17BBE0091	104
2324So4S3		S000	17BCS0021	103
2147483047		S000	17BCS0081	103
.8 rous in se	: <0.00sec,			

Receipt table:

Creation:

```
mysql> create table receipt(
   -> receipt id varchar(20) not null primary key,
   -> bill date int(20),
   -> totamt int(30),
   -> reg_no varchar(10),
   -> dno int,
   -> foreign key(reg_no) references student(reg_no),
   -> foreign key(dno) references department(dno));
Query OK, 0 rows affected (0.14 sec)
mysql> desc receipt;
 Field
             Type
                           | Null | Key | Default | Extra
 receipt id
              varchar(20)
                            NO
                                    PRI
                                          NULL
 bill date
              int(20)
                             YES
                                          NULL
              int(30)
                             YES
                                          NULL
 totamt
                                          NULL
                             YES
                                    MUL
              varchar(10)
 reg_no
                             YES
 dno
              int(11)
                                    MUL
                                          NULL
 rows in set (0.05 sec)
```

```
mysql> insert into receipt values('VABAM03216',12/10/2010,45000,'15BBA0028',101);
Query OK, 1 row affected (0.07 sec)

mysql> insert into receipt values('VABAM032236',11/03/2010,45000,'15BBA0081',101);
Query OK, 1 row affected (0.07 sec)

mysql> insert into receipt values('VABAM032136',11/04/2010,45000,'15BBA0081',101);
Query OK, 1 row affected (0.07 sec)

mysql> insert into receipt values('VABBE042136',18/05/2010,150000,'15BBE0001',104);
Query OK, 1 row affected (0.07 sec)

mysql> insert into receipt values('VAECE0421326',18/05/2010,150000,'15ECE0091',105);
Query OK, 1 row affected (0.08 sec)

mysql> insert into receipt values('VAMBA0413126',18/05/2010,150000,'16MBA0002',105);
Query OK, 1 row affected (0.04 sec)

mysql> insert into receipt values('VAMCA0413126',18/05/2010,111000,'15MCA0096',109);
Query OK, 1 row affected (0.04 sec)

mysql> insert into receipt values('VABCA413126',18/05/2010,46000,'16BCA0010',102);
Query OK, 1 row affected (0.05 sec)

mysql> insert into receipt values('VABCA417126',18/05/2010,46000,'16BCA0012',102);
Query OK, 1 row affected (0.07 sec)

mysql> insert into receipt values('VABCA417126',18/05/2010,46000,'16BCA0012',102);
Query OK, 1 row affected (0.08 sec)

mysql> insert into receipt values('VABCA417566',18/05/2010,46000,'16BCA0056',102);
Query OK, 1 row affected (0.08 sec)

mysql> insert into receipt values('VABCA417566',18/05/2010,75000,'16BE0048',104);
Query OK, 1 row affected (0.04 sec)

mysql> insert into receipt values('VABSE415566',18/05/2010,15000,'17BCS0007',103);
Query OK, 1 row affected (0.08 sec)

mysql> insert into receipt values('VAMSC415566',18/05/2010,45000,'17BCS0007',103);
Query OK, 1 row affected (0.08 sec)
```

receipt_id	bill_date	totamt	reg_no	dno	
VABAM01456	t	 25000	+ 15BAM0007	++ 106	
VABAM032136		45000	15BBA0081	101	
VABAM032150		45000	15BBA0028	101	
VABAM03210		45000	15BBA0081	101	
VABBE042136		150000	15BBE0001	101	
VABBE4154566		75000	16BBE0048	104	
VABCA413126		46000	16BCA0109	102	
VABCA417126		46000	16BCA0012	102	
VABCA417120 VABCA417566		46000	16BCA0056	102	
VABHM01855	i ë	45000	17BHM0025	107	
VAECE0421326	i ë	112000	15ECE0091	105	
VAMBA0413126	9	250000	16MBA0002	105	
VAMBBE41643	. 0	150000	17BBE0091	104	
VAMBCS415566	9	45000	17BCS0097	103	
VAMBCS41643	. 0	45000	17BCS0021	103	
VAMBCS416543	. 0	45000	17BCS0081	103	
VAMCA0413126	. 0	111000	15MCA0096	109	
VAMSBI415566	. 0	195000	17MSBI0082	108	

FILTRATION

SELECT:

Display Regno='19BCS0081' details:

1. select fname,lname,course,address from student where reg_no='19BCS00081';

Display the regno and dno from structfee who paid the tut_fees more than 50000

2. select reg_no,dno from structfee wheretut_fees>50000;

```
mysql> select reg_no,dno from structfee where tut_fees>50000;
 reg_no
             dno
 15BBE0001
               104
 15ECE0091
               105
 16MBA0002
               110
 15MCA0096
               109
               104
 16BBE0048
               108
 17MSBI0082
 17BBE0091
               104
 rows in set (0.00 sec)
```

Display the details of the students using their course details

3. select fname,lname,address from student wherecourse='BCS';

```
mysql> select fname,lname,address from student where course='BCS';

+-----+

| fname | lname | address |

+----+

| MONI | MINI | 28 ANNA STREET PALMENER |

| BANU | PRIYA | 76 BONEMILLSITE VELLORE |

| MANJU | SRI | 67 DV STREET KANGEYANALLUR |

+----+

3 rows in set (0.00 sec)
```

Update:

update student set lname='SHREE'wherelname='SRI';

```
ysql> update student set lname='SHREE'where lname='SRI';
 uery OK, 1 row affected (0.09 sec)
ows matched: 1 Changed: 1 Warnings: 0
 ysql> select*from student;
                                            fname
                                                                                  lname
                                                                                                                         address
                                                                                                                                                                                                                                                             dno
                                                                                                                                                                                                                                                                                         course
                                                                                                                       22 KALITHKOIYA NAGAR KOLKATA
35 BAKRITH NAGAR CHENNIAI
44 KUMARAPPANAGAR VELORE
21 KRIDH PRIXI KOLKATA
18 DURAI STREET MADHANURR VELLORE
31 DIKSHITH NAGAR VELLORE
10TH KAINSH STREET MADURAI
21 VINUTH STREET CHENNAI
32 BAKIYA NAGAR VELORE
14TH SMRITHISTREET BELGAUM
20TH DIRMATHINSTREET MAHARASHTRA
21TH BHARATHI STREET ANDHRA
101 KARPITH STREET ANDHRA
28 ANNA STREET PALMENER
76 BONEMILLSITE VELLORE
                                          NAMMAN
ANU
DIVYA
PRIYA
BALA
KANI
VINAI
                                                                                 LIANI
RAGAV
BHARATHI
PRANAV
MURUGAN
  15BAM0007
15BBA0028
15BBA0081
15BBA0109
                                                                                                                                                                                                                                                  12
25
12
19
27
2
10
12
22
30
11
22
27
                                                                                                                                                                                                                                                                     106
101
101
101
104
105
109
                                                                                                                                                                                                                                                                                        BAM
BBA
                                                                                                                                                                                                                                                                                        BBA
BBA
   15BBE0001
15ECE0091
15MCA0096
                                                                                                                                                                                                                                                                                        BBE
ECE(1)
MCA
                                                                                  MOZHI
MITHUN
                                                                                                                                                                                                                                                                      104
102
102
102
   16BBE0048
16BCA0012
                                            PRIYA
KRISHIKA
                                                                                  BHATHRA
HARSHINI
                                                                                                                                                                                                                                                                                        BBE
BCA
                                                                                 HARSHINI
DHARSHINI
KILANI
VINASH
YADAV
MINI
  16BCA0012
16BCA0056
16BCA0109
16MBA0002
17BBE0091
                                           RRISHIKA
DIVYAA
RUPHANKAR
VETRI
MANISH
MONI
BANU
                                                                                                                                                                                                                                                                                        BCA
BCA
BCA
MBA
ECE
BCS
                                                                                                                                                                                                                                                                      110
104
103
                                                                                                                       28 ANNA SIREE PALMENER
76 BONEMILLSITE VELLORE
67 DV STREET KANGEYANALLUR
10 MANPITH NAGAR MAHARASHTRA
24 MITHUN NAGAR SALEM
                                                                                   SHREE
  17BHM0025 | DUTTA
17MSBI0082 | PRAJIN
                                                                                 MADDY
PADHMA
8 rows in set (0.00 sec)
```

Delete:

alter table receipt drop column bill_date; alter table student drop column dob;

sql> select*fr	rom recei	pt;				
receipt_id	totamt	reg_no	dno			
VABAM01456	25000	15BAM0007	106			
VABAM032136	45000	15BBA0081	101			
VABAM03216	45000	15BBA0028	101			
VABAM032236	45000	15BBA0081	101			
VABBE042136	150000	15BBE0001	104			
VABBE4154566	75000	16BBE0048	104			
VABCA413126	46000	16BCA0109	102			
VABCA417126	46000	16BCA0012	102			
VABCA417566	46000	16BCA0056	102			
VABHM01855	45000	17BHM0025	107			
VAECE0421326	112000	15ECE0091	105			
VAMBA0413126	250000	16MBA0002	105			
VAMBBE41643	150000	17BBE0091	104			
VAMBCS415566	45000	17BCS0097	103			
VAMBCS41643	45000	17BCS0021	103			
VAMBCS416543	45000	17BCS0081	103			
VAMCA0413126	111000	15MCA0096	109			
VAMSBI415566	195000	17MSBI0082	108			
8 rows in set of ysql> alter tal uery OK, 18 row ecords: 18 Dug	ble studen ws affecto plicates:	nt drop colum ed (0.28 sec) 0 Warnings:				+
reg_no f	fname	lname	address		dno +	course
15BAM0007 I	NAMMAN	LIANI	22 KALITHKO	DIYA NAGAR KOLKATA	106	BAM
15BBA0028 /	ANU	RAGAV	35 BAKRITH	NAGAR CHENNAI	101	BBA
	DIVYA	BHARATHI	44 KUMARAPPANAGAR VELORE			BBA BBA
	PRIYA	PRANAV	21 KRIDH PI	21 KRIDH PRIXI KOLKATA		
	BALA	MURUGAN		TREET MADHANURR VELLORE	104	BBE
	KANI	MOZHI		H NAGAR VELLORE	105	ECE(1)
15MCA0096 \	VINAI	MITHUN	10TH KAINS	H STREET MADURAI	109	MCA

Sqlin-BuiltFunctions:

select count(totamt)from receipt where totamt>70000;

```
mysql> select count(totamt)from receipt where totamt>70000;
+-----+
| count(totamt) |
+-----+
| 7 |
+-----+
1 row in set (0.02 sec)
```

select sum(totamt)from receipt;

selectavg(totamt)fromreceipt;

select ceil(totamt)fromreceipt;

```
mysql> select ceil(totamt)from receipt;

| ceil(totamt) |
| 25000 |
| 45000 |
| 45000 |
| 150000 |
| 46000 |
| 46000 |
| 45000 |
| 12000 |
| 150000 |
| 112000 |
| 250000 |
| 150000 |
| 45000 |
| 45000 |
| 150000 |
| 45000 |
| 11000 |
| 150000 |
| 110000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
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| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
| 150000 |
```

select max(totamt),min(totamt)from receipt;
select max(tut_fees),min(spl_fees)from structfee;

```
mysql> select max(tut_fees),min(spl_fees)from structfee;

+-----+

| max(tut_fees) | min(spl_fees) |

+-----+

| 200000 | 5000 |

+-----+

1 row in set (0.00 sec)
```

select lower(fname),(lname)from student;

```
mysql> select lower(fname),(lname)from student;
 lower(fname) | lname
          | LIANI
| RAGAV
| BHARATHI
| PRANAV
| MURUGAN
| MOZHI
| MITHUN
 namman
 anu
 divya
 priya
 bala
 kani
 vinai
                  BHATHRA
 priya
 krishika
                  HARSHINI
 divyaa
                  DHARSHINI
                  KILANI
 ruphankar
 vetri
                  VINASH
 manish
                  YADAV
 moni
                  MINI
                  PRIYA
 banu
 manju
                  SHREE
 dutta
                  MADDY
 prajin
                PADHMA
18 rows in set (0.06 sec)
```

select upper(fname),(lname)from student where course='BCS';

select replace(lname, 'EE', 'I') from student where lname='SHREE';

selectinstr('SHREE','R')from student wherelname='SHREE';

selectfname,lname,address from student order by fnameasc;

Join operation:

Select

structfee.feeno,structfee.tut_fees,structfee.spl_fees,structfee.reg_no,student.reg_no,student.fname,student.lname,student.address from structfee join student on structfee.reg_no=student.reg_no;

```
mysql> select structfee.feeno, structfee.tut_fees, structfee.spl_fees, structfee.reg_no, student.reg_no; student.fname, student.lname, student.address from structfee join student on structfee.reg_no=student.reg_no; student.reg_no; student.reg_no; student.reg_no; student.reg_no, student.fname, student.address from structfee join student on structfee.reg_no_student.reg_no, student.fname, student.address from structfee join student on structfee.reg_no_student.reg_no, student.fname, student.fname, student.address from structfee join student on structfee.reg_no_student.reg_no, student.fname, student.fname, student.address from structfee join student on structfee.reg_no_student.fname, student.fname, student.lname, student.
```

SUBQUERIES:

selectfname,lname,reg_no from student where fname in(select fname from student where fname='moni');

selectreceipt_id from receipt where totamt>(select avg(totamt)from receipt);

8. NORMALISATION OF EACHSCHEMA:

The followings chemasatisfies 1 nf 2 nf and 3 nf student

Reg_no	name	name dob		address	course
	•	I	L_		-
Department:					
<u>Dno</u>	D	name			
structFee:					
<u>feeno</u>		Tut_fees		Spl_fees	
Receipt:		billdate	T	totamt	
Receipt id		Dilidate		totaint	
Department_I	ocation	s:			
<u>dno</u>	dl	ос			
Student_rece	ipt:				
Reg no	Receipt id			ot_amt	
Student_fees	<u> </u>				
Reg_no	f	eeno	Т	ut_fees	

9. WORK BREAKDOWN:

TEAM MEMBER (REGISTRATIO N NUMBER)	NAME	WORKASSIGNED
19BCS0009	A.NAVEEN	FUNCTIONALITY (queries) Creation table for Student and Department.
19BCS0012	G.NITHISH	FUNCTIONALITY (queries) Creation table for Receipt and ER Diagram for this Database.
19BCS0004	C.BALAJI	FUNCTIONALITY (queries) Creation table for Department_location s and Structfee.

10.BENEFITS:

- ❖ Integrate Complete Fee Management.
- **&** Easy online transaction.
- **❖** Handle Multiple Finance.
- ❖ An easy and safe fee payment system for parents.

11. CONCLUSION:

- * From this system we can conclude that it provides better fee management system and also lot of convince than the old system.
- ❖ This process is very fast data can be easily entered lot of time is also saved. It is very easy to understand and this program can be used anywhere based on requirement
- ❖ Fee management is one of the complex and tedious tasks to handle among multiple academic operations which actually requires automation.
- ❖ An education technology designed to hit the pain areas of the institutions, resolve them and strengthen institution to reach new heights.