

DPG INSTITUTE OF TECHNOLOGY AND MANAGEMENT



Database Management System Project

SCHOOL MANAGEMENT SYSTEM

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ABOUT THE PROJECT

The School Management System is a database-based project done with help of Mysql. This project is very useful for the Schools to keep all the records of School. This project is multi-field project so that it can be modified for various purposes. The main aim of creating project on this topic is to show that Schools can use Structured Query languages to make their management system, This will also minimize the errors and also help the Schools to keep all the records related to Students and Teachers. There are many functions which can be performed in this management system and through the 6 tables which we have created the management can check the information regarding the students and also check the details about their fees and all. Teacher's Department and all other information regarding teacher can also be checked easily. Various Queries can be used to perform multiple function in this School Management System.

TOOLS USED

Minimum Hardware Requirements:

I. OPERATING SYSTEM : Windows 7 (64-bit, Professional or higher)

II. PROCESSOR : Intel Core 2 Quad Q6600

III. Graphic Accelerators : Nvidia GT 710

IV. RAM : 8 GB

SOFTWARE REQUIRED:

MYSQL 8.0

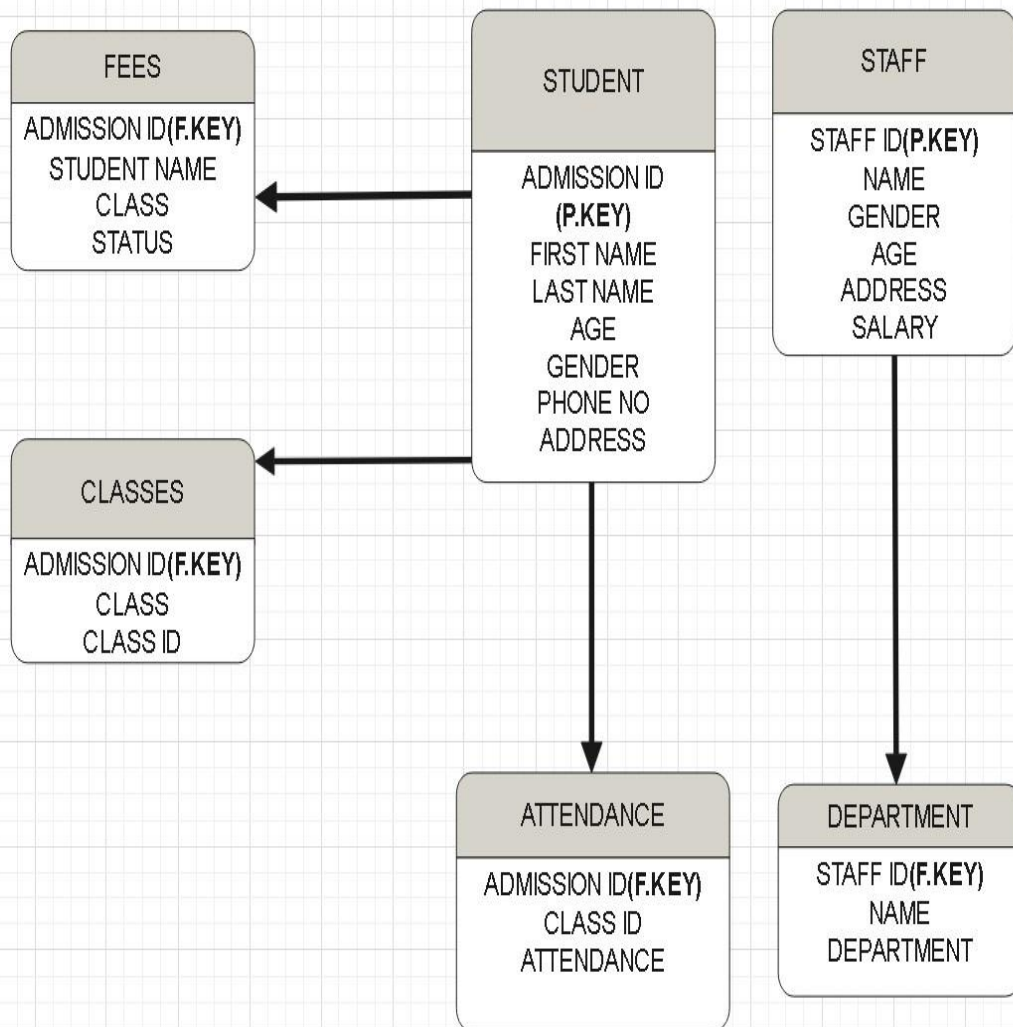
School Management System Detail

Tables Used-

- I. Student
- II. Classes
- III. Fees
- IV. Attendance
- V. Staff List
- VI. Teacher Department

```
mysql> show tables;
+-----+
| Tables_in_project |
+-----+
| attendance         |
| classes            |
| department         |
| fees               |
| staff              |
| student            |
+-----+
6 rows in set (0.00 sec)
```

ER DIAGRAM



QUERY USED TO CREATE THE DATABASE

- Student Table

Create Table

```
mysql> create table student
-> (ADMISSIONID      INT PRIMARY KEY,
-> FIRSTNAME         CHAR(10),
-> LASTNAME          CHAR(10),
-> AGE               INT,
-> GENDER            CHAR(7),
-> PHONENO           INT,
-> ADDRESS           VARCHAR(20)
-> );
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> DESC STUDENT;
```

Field	Type	Null	Key	Default	Extra
ADMISSIONID	int	NO	PRI	NULL	
FIRSTNAME	char(10)	YES		NULL	
LASTNAME	char(10)	YES		NULL	
AGE	int	YES		NULL	
GENDER	char(7)	YES		NULL	
PHONENO	int	YES		NULL	
ADDRESS	varchar(20)	YES		NULL	

7 rows in set (0.00 sec)

Insert Data

```
mysql> INSERT INTO STUDENT VALUES('101','Aryan','Sharma','14','MALE','756849382','SECTOR 81');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('102','Ayush','Gupta','12','MALE','76756498','SECTOR 36');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('103','Ayushi','Agarwal','14','FEMALE','787234898','SECTOR 64');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('104','Ananya','Jaiswal','13','FEMALE','887234897','DLF');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('105','Ishan','Agarwal','11','MALE','987234825','Sector36');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('106','Ishika','Sharma','15','FEMALE','765723482','Sector 45');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO STUDENT VALUES('107','Angad','Singh','13','MALE','635723441','Sector 27');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('108','Aryan','Khan','12','MALE','765754441','Sector 2');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STUDENT VALUES('109','Kartik','Aryan','11','MALE','87555687','Sector 82');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO STUDENT VALUES('110','Sid','Yadav','10','MALE','956532686','Sector 22');
Query OK, 1 row affected (0.10 sec)

mysql> INSERT INTO STUDENT VALUES('111','Kashish','Khatri','11','FEMALE','823467512','Sector 49');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO STUDENT VALUES('112','Kanishka','Saxena','10','FEMALE','993467559','Sector 13');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO STUDENT VALUES('113','Vidhi','Shingle','14','FEMALE','695467559','Sector 55');
Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO STUDENT VALUES('114','Raj','Yadav','15','MALE','736467559','Sector 95');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from student;
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
102	Ayush	Gupta	12	MALE	76756498	SECTOR 36
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64
104	Ananya	Jaiswal	13	FEMALE	887234897	DLF
105	Ishan	Agarwal	11	MALE	987234825	Sector36
106	Ishika	Sharma	15	FEMALE	765723482	Sector 45
107	Angad	Singh	13	MALE	635723441	Sector 27
108	Aryan	Khan	12	MALE	765754441	Sector 2
109	Kartik	Aryan	11	MALE	87555687	Sector 82
110	Sid	Yadav	10	MALE	956532686	Sector 22
111	Kashish	Khatri	11	FEMALE	823467512	Sector 49
112	Kanishka	Saxena	10	FEMALE	993467559	Sector 13
113	Vidhi	Shingle	14	FEMALE	695467559	Sector 55
114	Raj	Yadav	15	MALE	736467559	Sector 95

- **Classes Table**

Create Table

```
mysql> create table classes
-> (ADMISSIONID      INT,
-> CLASS              VARCHAR(10),
-> CLASSID            INT
-> );
Query OK, 0 rows affected (0.06 sec)

mysql> ALTER TABLE CLASSES
-> ADD FOREIGN KEY(ADMISSIONID) REFERENCES STUDENT(ADMISSIONID);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESC CLASSES;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ADMISSIONID | int           | YES  | MUL | NULL    |       |
| CLASS       | varchar(10)   | YES  |     | NULL    |       |
| CLASSID     | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Insert Data

```
mysql> INSERT INTO CLASSES VALUES('101','9th','009');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO CLASSES VALUES('102','7th','007');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO CLASSES VALUES('103','9th','009');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO CLASSES VALUES('104','8th','008');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO CLASSES VALUES('105','6th','006');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO CLASSES VALUES('106','10th','010');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO CLASSES VALUES('107','8th','008');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO CLASSES VALUES('108','8th','008');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO CLASSES VALUES('109','6th','006');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO CLASSES VALUES('110','6th','006');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO CLASSES VALUES('111','7th','007');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO CLASSES VALUES('112','6th','006');
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO CLASSES VALUES('113','9th','009');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO CLASSES VALUES('114','10th','010');
Query OK, 1 row affected (0.03 sec)
```

```
mysql> select * from classes;
```

ADMISSIONID	CLASS	CLASSID
101	9th	9
102	7th	7
103	9th	9
104	8th	8
105	6th	6
106	10th	10

- **Attendance Table**

Create Table

```
mysql> CREATE TABLE ATTENDANCE
-> (ADMISSIONID INT,
-> CLASSID INT,
-> ATTENDANCE VARCHAR(10)
-> );
```

Query OK, 0 rows affected (0.26 sec)

```
mysql> ALTER TABLE ATTENDANCE
-> ADD FOREIGN KEY(ADMISSIONID) REFERENCES STUDENT(ADMISSIONID);
```

Query OK, 0 rows affected (0.18 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> DESC ATTENDANCE;
```

Field	Type	Null	Key	Default	Extra
ADMISSIONID	int	YES	MUL	NULL	
CLASSID	int	YES		NULL	
ATTENDANCE	varchar(10)	YES		NULL	

3 rows in set (0.03 sec)

Insert Data

```
mysql> INSERT INTO ATTENDANCE VALUES('101','9','87%');
Query OK, 1 row affected (0.07 sec)

mysql> INSERT INTO ATTENDANCE VALUES('102','7','95%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('103','9','75%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('104','8','83%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('105','6','97%');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO ATTENDANCE VALUES('106','10','73%');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO ATTENDANCE VALUES('107','8','84%');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO ATTENDANCE VALUES('108','8','80%');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO ATTENDANCE VALUES('109','6','90%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('110','6','91%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('111','7','87%');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO ATTENDANCE VALUES('112','6','88%');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO ATTENDANCE VALUES('113','9','81%');
Query OK, 1 row affected (0.53 sec)

mysql> INSERT INTO ATTENDANCE VALUES('114','10','71%');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from attendance;
```

ADMISSIONID	CLASSID	ATTENDANCE
101	9	87%
102	7	95%
103	9	75%
104	8	83%
105	6	97%
106	10	73%
107	8	84%
108	8	80%
109	6	90%
110	6	91%
111	7	87%
112	6	88%
113	9	81%
114	10	71%

- **Fees Table**

Create Table

```
mysql> CREATE TABLE FEES
  -> (ADMISSIONID      INT,
  -> STUDENTNAME        CHAR(20),
  -> CLASS              VARCHAR(10),
  -> STATUS              VARCHAR(15)
  -> );
Query OK, 0 rows affected (0.16 sec)

mysql> ALTER TABLE FEES
  -> ADD FOREIGN KEY(ADMISSIONID) REFERENCES STUDENT(ADMISSIONID);
Query OK, 0 rows affected (0.28 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESC FEES;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ADMISSIONID    | int           | YES  | MUL | NULL    |       |
| STUDENTNAME    | char(20)      | YES  |     | NULL    |       |
| CLASS          | varchar(10)   | YES  |     | NULL    |       |
| STATUS         | varchar(15)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

Insert Data

```
mysql> INSERT INTO FEES VALUES('101','Aryan Sharma','9','Paid');
Query OK, 1 row affected (0.05 sec)

mysql> INSERT INTO FEES VALUES('102','Ayush Gupta','7','Paid');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO FEES VALUES('103','Ayushi Agarwal','9','Not Paid');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO FEES VALUES('104','Ananya Jaiswal','8','Paid');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO FEES VALUES('105','Ishan Agarwal','6','Paid');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO FEES VALUES('106','Ishika Sharma','10','Not Paid');
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO FEES VALUES('107','Angad Singh','8','Not Paid');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO FEES VALUES('108','Aryan Khan','8','Paid');
Query OK, 1 row affected (0.03 sec)
```

```
mysql> select * from fees;;
```

ADMISSIONID	STUDENTNAME	CLASS	STATUS
101	Aryan Sharma	9	Paid
102	Ayush Gupta	7	Paid
103	Ayushi Agarwal	9	Not Paid
104	Ananya Jaiswal	8	Paid
105	Ishan Agarwal	6	Paid
106	Ishika Sharma	10	Not Paid
107	Angad Singh	8	Not Paid
108	Aryan Khan	8	Paid
109	Kartik Aryan	6	Paid
110	Sid Yadav	6	Paid
111	Kashish Khatri	7	Not Paid
112	Kanishka Saxena	6	Paid

- **Staff Table**

Create Table

```
mysql> CREATE TABLE STAFF
-> (STAFFID          INT PRIMARY KEY,
-> NAME              CHAR(20),
-> GENDER            CHAR(7),
-> AGE               INT,
-> ADDRESS           VARCHAR(20),
-> SALARY            INT
-> );
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> DESC STAFF;
```

Field	Type	Null	Key	Default	Extra
STAFFID	int	NO	PRI	NULL	
NAME	char(20)	YES		NULL	
GENDER	char(7)	YES		NULL	
AGE	int	YES		NULL	
ADDRESS	varchar(20)	YES		NULL	
SALARY	int	YES		NULL	

6 rows in set (0.00 sec)

Insert Data

```
mysql> insert into staff values('10001','Dhruv Ahuja','Male','36','Chhatarpur','45000');
Query OK, 1 row affected (0.10 sec)

mysql> insert into staff values('10002','Harsh Yadav','Male','32','Sector 99','40000');
Query OK, 1 row affected (0.04 sec)

mysql> insert into staff values('10003','Alisha Chabra','Female','30','Sector 22','35000');
Query OK, 1 row affected (0.02 sec)

mysql> insert into staff values('10004','Rishabh Gupta','Male','40','DLF','65000');
Query OK, 1 row affected (0.03 sec)

mysql> insert into staff values('10005','Rahul Gangwar','Male','38','Sector 72','47000');
Query OK, 1 row affected (0.02 sec)

mysql> insert into staff values('10006','Yash Garg','Male','33','Sector 32','37000');
Query OK, 1 row affected (0.02 sec)

mysql> insert into staff values('10007','Suman Yadav','Female','45','Sector 19','50000');
Query OK, 1 row affected (0.03 sec)

mysql> insert into staff values('10008','Mayuka','Female','31','Sector 6','35000');
Query OK, 1 row affected (0.03 sec)

mysql> insert into staff values('10009','Mayank Sharma','Male','35','Sector 34','36500');
Query OK, 1 row affected (0.02 sec)

mysql> insert into staff values('10010','Priya Agarwal','Female','31','Sector 67','32500');
Query OK, 1 row affected (0.49 sec)
```

```
mysql> select * from staff
-> ;
```

STAFFID	NAME	GENDER	AGE	ADDRESS	SALARY
10001	Dhruv Ahuja	Male	36	Chhatarpur	45000
10002	Harsh Yadav	Male	32	Sector 99	40000
10003	Alisha Chabra	Female	30	Sector 22	35000
10004	Rishabh Gupta	Male	40	DLF	65000
10005	Rahul Gangwar	Male	38	Sector 72	47000
10006	Yash Garg	Male	33	Sector 32	37000
10007	Suman Yadav	Female	45	Sector 19	50000
10008	Mayuka	Female	31	Sector 6	35000
10009	Mayank Sharma	Male	35	Sector 34	36500
10010	Priya Agarwal	Female	31	Sector 67	32500

- **Department Table**

Create Table

```
mysql> CREATE TABLE DEPARTMENT
-> (STAFFID          INT,
-> NAME              CHAR(15),
-> DEPARTMENT        VARCHAR(15)
-> );
Query OK, 0 rows affected (0.07 sec)

mysql> ALTER TABLE DEPARTMENT
-> ADD FOREIGN KEY(STAFFID) REFERENCES STAFF(STAFFID);
Query OK, 0 rows affected (0.13 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESC DEPARTMENT;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| STAFFID    | int           | YES  | MUL | NULL    |       |
| NAME       | char(15)      | YES  |     | NULL    |       |
| DEPARTMENT | varchar(15)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Insert Data

```
mysql> insert into department values('10001','Dhruv Ahuja','SST');
Query OK, 1 row affected (0.04 sec)

mysql> insert into department values('10002','Harsh Yadav','MATHS');
Query OK, 1 row affected (0.06 sec)

mysql> insert into department values('10003','Alisha Chabra','ENGLISH');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10004','Rishabh Gupta','SCIENCE');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10005','Rahul Gangwar','Computers');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10006','Yash Garg','SST');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10007','Suman Yadav','HINDI');
Query OK, 1 row affected (0.03 sec)

mysql> insert into department values('10008','Mayuka','SCIENCE');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10009','Mayansh Sharma','Maths');
Query OK, 1 row affected (0.02 sec)

mysql> insert into department values('10010','Priya Agarwal','SST');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from department;
```

STAFFID	NAME	DEPARTMENT
10001	Dhruv Ahuja	SST
10002	Harsh Yadav	MATHS
10003	Alisha Chabra	ENGLISH
10004	Rishabh Gupta	SCIENCE
10005	Rahul Gangwar	Computers
10006	Yash Garg	SST
10007	Suman Yadav	HINDI
10008	Mayuka	SCIENCE
10009	Mayansh Sharma	Maths
10010	Priya Agarwal	SST

Stored Database Query Operations :-

Q1. Query to Show the Total Admission.

```
mysql> select * from student;
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
102	Ayush	Gupta	12	MALE	76756498	SECTOR 36
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64
104	Ananya	Jaiswal	13	FEMALE	887234897	DLF
105	Ishan	Agarwal	11	MALE	987234825	Sector36
106	Ishika	Sharma	15	FEMALE	765723482	Sector 45
107	Angad	Singh	13	MALE	635723441	Sector 27
108	Aryan	Khan	12	MALE	765754441	Sector 2
109	Kartik	Aryan	11	MALE	87555687	Sector 82
110	Sid	Yadav	10	MALE	956532686	Sector 22
111	Kashish	Khatri	11	FEMALE	823467512	Sector 49
112	Kanishka	Saxena	10	FEMALE	993467559	Sector 13
113	Vidhi	Shingle	14	FEMALE	695467559	Sector 55
114	Raj	Yadav	15	MALE	736467559	Sector 95

```
14 rows in set (0.00 sec)
```

Q2. Query to Show the Age of all the Students.

```
mysql> select age from student;
```

age
14
12
14
13
11
15
13
12
11
10
11
10
14

Q3. Query to Show the Student having the highest attendance.

```
mysql> select age from student;
+-----+
| age |
+-----+
| 14 |
| 12 |
| 14 |
| 13 |
| 11 |
| 15 |
| 13 |
| 12 |
| 11 |
| 10 |
| 11 |
| 10 |
| 14 |
| 15 |
+-----+
14 rows in set (0.00 sec)
```

Q4. Query to show the students of a specific class.

```
mysql> select * from classes;
+-----+-----+-----+
| ADMISSIONID | CLASS | CLASSID |
+-----+-----+-----+
| 101 | 9th | 9 |
| 102 | 7th | 7 |
| 103 | 9th | 9 |
| 104 | 8th | 8 |
| 105 | 6th | 6 |
| 106 | 10th | 10 |
| 107 | 8th | 8 |
| 108 | 8th | 8 |
| 109 | 6th | 6 |
| 110 | 6th | 6 |
| 111 | 7th | 7 |
| 112 | 6th | 6 |
| 113 | 9th | 9 |
| 114 | 10th | 10 |
+-----+-----+-----+
14 rows in set (0.00 sec)

mysql> Select admissionid from classes where classid='9';
+-----+
| admissionid |
+-----+
```

Q5. Query to show the fee status of the students.

```
mysql> select * from fees;;
```

ADMISSIONID	STUDENTNAME	CLASS	STATUS
101	Aryan Sharma	9	Paid
102	Ayush Gupta	7	Paid
103	Ayushi Agarwal	9	Not Paid
104	Ananya Jaiswal	8	Paid
105	Ishan Agarwal	6	Paid
106	Ishika Sharma	10	Not Paid
107	Angad Singh	8	Not Paid
108	Aryan Khan	8	Paid
109	Kartik Aryan	6	Paid
110	Sid Yadav	6	Paid
111	Kashish Khatri	7	Not Paid
112	Kanishka Saxena	6	Paid
113	Vidhi Shingle	9	Paid
114	Raj Yadav	10	Not Paid

```
14 rows in set (0.00 sec)
```

Q6. Query to show the fee status of students that has paid the fee.

```
mysql> select * from fees where status='paid';
```

ADMISSIONID	STUDENTNAME	CLASS	STATUS
101	Aryan Sharma	9	Paid
102	Ayush Gupta	7	Paid
104	Ananya Jaiswal	8	Paid
105	Ishan Agarwal	6	Paid
108	Aryan Khan	8	Paid
109	Kartik Aryan	6	Paid
110	Sid Yadav	6	Paid
112	Kanishka Saxena	6	Paid
113	Vidhi Shingle	9	Paid

```
9 rows in set (0.00 sec)
```

Q7. Query to show the detail about female teachers in the School.

```
mysql> select * from staff where gender='female';
```

STAFFID	NAME	GENDER	AGE	ADDRESS	SALARY
10003	Alisha Chabra	Female	30	Sector 22	35000
10007	Suman Yadav	Female	45	Sector 19	50000
10008	Mayuka	Female	31	Sector 6	35000
10010	Priya Agarwal	Female	31	Sector 67	32500

4 rows in set (0.00 sec)

Q8. Query to insert details about new student.

```
mysql> select * from student;
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
102	Ayush	Gupta	12	MALE	76756498	SECTOR 36
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64
104	Ananya	Jaiswal	13	FEMALE	887234897	DLF
105	Ishan	Agarwal	11	MALE	987234825	Sector36
106	Ishika	Sharma	15	FEMALE	765723482	Sector 45
107	Angad	Singh	13	MALE	635723441	Sector 27
108	Aryan	Khan	12	MALE	765754441	Sector 2
109	Kartik	Aryan	11	MALE	87555687	Sector 82
110	Sid	Yadav	10	MALE	956532686	Sector 22
111	Kashish	Khatri	11	FEMALE	823467512	Sector 49
112	Kanishka	Saxena	10	FEMALE	993467559	Sector 13
113	Vidhi	Shingle	14	FEMALE	695467559	Sector 55
114	Raj	Yadav	15	MALE	736467559	Sector 95

14 rows in set (0.00 sec)

```
mysql> insert into student values('115','Manas','Ahuja','13','Male','639562248','Cyber City');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from student;
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
102	Ayush	Gupta	12	MALE	76756498	SECTOR 36
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64
104	Ananya	Jaiswal	13	FEMALE	887234897	DLF
105	Ishan	Agarwal	11	MALE	987234825	Sector36
106	Ishika	Sharma	15	FEMALE	765723482	Sector 45
107	Angad	Singh	13	MALE	635723441	Sector 27
108	Aryan	Khan	12	MALE	765754441	Sector 2
109	Kartik	Aryan	11	MALE	87555687	Sector 82

Q9. Query to check teachers of certain department.

```
mysql> select * from department where department='SST';
```

STAFFID	NAME	DEPARTMENT
10001	Dhruv Ahuja	SST
10006	Yash Garg	SST
10010	Priya Agarwal	SST

```
3 rows in set (0.00 sec)
```

Q10. Query to change the department of a teacher.

```
mysql> select * from department;
```

STAFFID	NAME	DEPARTMENT
10001	Dhruv Ahuja	SST
10002	Harsh Yadav	MATHS
10003	Alisha Chabra	ENGLISH
10004	Rishabh Gupta	SCIENCE
10005	Rahul Gangwar	Computers
10006	Yash Garg	SST
10007	Suman Yadav	HINDI
10008	Mayuka	SCIENCE
10009	Mayansh Sharma	Maths
10010	Priya Agarwal	SST

```
10 rows in set (0.00 sec)
```

```
mysql> update department
-> set      department='SCIENCE'
-> where    staffid='10001';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from department;
```

STAFFID	NAME	DEPARTMENT
10001	Dhruv Ahuja	SCIENCE
10002	Harsh Yadav	MATHS
10003	Alisha Chabra	ENGLISH
10004	Rishabh Gupta	SCIENCE

Q11. Query to select the students whose name start from A.

```
mysql> select * from student WHERE FIRSTNAME Like 'a%';
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
102	Ayush	Gupta	12	MALE	76756498	SECTOR 36
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64
104	Ananya	Jaiswal	13	FEMALE	887234897	DLF
107	Angad	Singh	13	MALE	635723441	Sector 27
108	Aryan	Khan	12	MALE	765754441	Sector 2

```
6 rows in set (0.00 sec)
```

Q11. Query to select the student whose attendance lies between 85% and 92%.

```
mysql> select * from attendance where attendance between 85 and 92;
```

ADMISSIONID	CLASSID	ATTENDANCE
101	9	87%
109	6	90%
110	6	91%
111	7	87%
112	6	88%

```
5 rows in set, 14 warnings (0.00 sec)
```

Q12. Query to select the student of certain age.

```
mysql> select * from student where AGE IN(14);
```

ADMISSIONID	FIRSTNAME	LASTNAME	AGE	GENDER	PHONENO	ADDRESS
101	Aryan	Sharma	14	MALE	756849382	SECTOR 81
103	Ayushi	Agarwal	14	FEMALE	787234898	SECTOR 64

