Employee Name: Hephzibah.S
Employee Id: 11966

**Lab Activity 1: Create a table STUDENT with under mentioned structure by using SQL Statement:**
StdID Number Primary Key
StdName Character (30) NOT NULL
Sex Character(6) Male or Female
Percentage Number
SClass Number
Sec Character
Stream Character(10) Science or Commerce
DOB Date Date of Birth

mysql> create table Student(Std_Id int(4) primary key, Std_Name varchar(30) not null, Sex varchar(6), Percentage decimal(5,2), S_Class int, Sec varchar(1), Stream Varchar(10), DOB date);
Query OK, 0 rows affected, 1 warning (0.03 sec)

```
mysql> desc Student;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| Std_Id     | int          | NO   | PRI | NULL    |       |
| Std_Name   | varchar(30)  | NO   |     | NULL    |       |
| Sex        | varchar(6)   | YES  |     | NULL    |       |
| Percentage | decimal(5,2) | YES  |     | NULL    |       |
| S_Class    | int          | YES  |     | NULL    |       |
| Sec        | varchar(1)   | YES  |     | NULL    |       |
| Stream     | varchar(10)  | YES  |     | NULL    |       |
| DOB        | date         | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
8 rows in set (0.01 sec)
```

mysql> insert into Student values(1001,"AKSHRA AGARWAL", 'FEMALE', 70, 11, 'A', "SCIENCE", "1996/11/10");
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into Student values(1002,"ANJANI SHARMA", 'FEMALE', 75, 11, 'A', "COMMERCE", "1996/09/18");
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into Student values(1003,"ANSHUL SAXENA", 'MALE', 78, 11, 'A', "COMMERCE", "1996/11/19"););
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1004,"AISHWARYA SIGN", 'FEMALE', 79, 11, 'A', "COMMERCE", "1996/11/01");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1005,"AKRITI SAXENA", 'FEMALE', 76, 11, 'A', "COMMERCE", "1996/09/20");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1006,"KUSHI AGARWAL", 'FEMALE', 77, 11, 'A', "COMMERCE", "2003/09/14");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1007,"MAAHI AGARWAL", 'FEMALE', 74, 11, 'A', "SCIENCE", "1997/04/21");;
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1008,"MITALI GUPTA", 'FEMALE', 78, 11, 'A', "SCIENCE", "1997/11/26");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1009,"NIKUNJ AGARWAL", 'MALE', 58, 12, 'A', "SCIENCE", "1997/07/12");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1010,"PARKHI", 'FEMALE', 59, 12, 'A', "COMMERCE", "1997/12/20");
Query OK, 1 row affected, 1 warning (0.00 sec)

```
mysql> insert into Student values(1001,"AKSHRA AGARWAL", 'FEMALE', 70, 11, 'A', "SCIENCE", "1996/11/10");
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into Student values(1002,"ANJANI SHARMA", 'FEMALE', 75, 11, 'A', "COMMERCE", "1996/09/18");
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into Student values(1003,"ANSHUL SAXENA", 'MALE', 78, 11, 'A', "COMMERCE", "1996/11/19"););
Query OK, 1 row affected, 1 warning (0.01 sec)
```

```
mysql> insert into Student values(1004,"AISHWARYA SIGN", 'FEMALE', 79, 11, 'A', "COMMERCE", "1996/11/01");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1005,"AKRITI SAXENA", 'FEMALE', 76, 11, 'A', "COMMERCE", "1996/09/20");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1006,"KUSHI AGARWAL", 'FEMALE', 77, 11, 'A', "COMMERCE", "2003/09/14");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1007,"MAAHI AGARWAL", 'FEMALE', 74, 11, 'A', "SCIENCE", "1997/04/21");;
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1008,"MITALI GUPTA", 'FEMALE', 78, 11, 'A', "SCIENCE", "1997/11/26");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1009,"NIKUNJ AGARWAL", 'MALE', 58, 12, 'A', "SCIENCE", "1997/07/12");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1010,"PARKHI", 'FEMALE', 59, 12, 'A', "COMMERCE", "1997/12/20");
Query OK, 1 row affected, 1 warning (0.00 sec)

mysql> insert into Student values(1011,"PRAKHAV GANGWAR", 'MALE', 43, 12, 'A', "SCIENCE", "1997/04/22");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1012,"RAGHAV GANGWAR", 'MALE', 58, 12, 'A', "COMMERCE", "1997/12/21");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1013,"SAHIL SARASWAT", 'MALE', 57, 12, 'A', "COMMERCE", "1997/08/13");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1014,"SWATI MISHRA", 'FEMALE', 98, 11, 'A', "SCIENCE", "1996/08/13");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1015,"HARSH AGARWAL", 'MALE', 58, 11, 'B', "SCIENCE", "2003/08/28");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1016,"HARSHIT KUMAR", 'MALE', 98, 11, 'B', "SCIENCE", "2003/05/22");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1017,"JAHANVI KAPOOR", 'MALE', 65, 11, 'B', "SCIENCE", "1997/01/10");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1018,"STUTI MISHRA", 'MALE', 66, 11, 'C', "COMMERCE", "1996/01/10");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1019,"SURYANSH KUMAR AGARWAL", 'MALE', 85, 11, 'C', "COMMERCE", "2007/08/22");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1020,"TANI RASTOGI", 'FEMALE', 75, 12, 'C', "COMMERCE", "1998/01/15");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1021,"TANISHK GUPTA", 'MALE', 55, 12, 'C', "SCIENCE", "1998/04/11");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1022,"TANMAY AGARWAL", 'MALE', 57, 11, 'C', "COMMERCE", "1998/06/28");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1023,"YASH SAXENA", 'MALE', 79, 11, 'C', "SCIENCE", "1998/03/13");
Query OK, 1 row affected, 1 warning (0.01 sec)

mysql> insert into Student values(1024,"YESH DUBEY", 'MALE', 85, 12, 'C', "COMMERCE", "1998/04/03");
Query OK, 1 row affected, 1 warning (0.00 sec)
```

**Lab Activity 2: Open school database, then select student table and use following SQL statements. TYPE THE STATEMENT, PRESS ENTER AND NOTE THE OUTPUT**

1 To display all the records form STUDENT table.
SELECT * FROM student ;

```
mysql> select *from Student;
+--------+------------------------+--------+------------+---------+------+----------+------------+
| Std_Id | Std_Name               | Sex    | Percentage | S_Class | Sec  | Stream   | DOB        |
+--------+------------------------+--------+------------+---------+------+----------+------------+
|   1001 | AKSHRA AGARWAL         | FEMALE |      70.00 |      11 | A    | SCIENCE  | 1996-11-10 |
|   1002 | ANJANI SHARMA          | FEMALE |      75.00 |      11 | A    | COMMERCE | 1996-09-18 |
|   1003 | ANSHUL SAXENA          | MALE   |      78.00 |      11 | A    | COMMERCE | 1996-11-19 |
|   1004 | AISHWARYA SIGN         | FEMALE |      79.00 |      11 | A    | COMMERCE | 1996-11-01 |
|   1005 | AKRITI SAXENA          | FEMALE |      76.00 |      11 | A    | COMMERCE | 1996-09-20 |
|   1006 | KUSHI AGARWAL          | FEMALE |      77.00 |      11 | A    | COMMERCE | 2003-09-14 |
|   1007 | MAAHI AGARWAL          | FEMALE |      74.00 |      11 | A    | SCIENCE  | 1997-04-21 |
|   1008 | MITALI GUPTA           | FEMALE |      78.00 |      11 | A    | SCIENCE  | 1997-11-26 |
|   1009 | NIKUNJ AGARWAL         | MALE   |      58.00 |      12 | A    | SCIENCE  | 1997-07-12 |
|   1010 | PARKHI                 | FEMALE |      59.00 |      12 | A    | COMMERCE | 1997-12-20 |
|   1011 | PRAKHAV GANGWAR        | MALE   |      43.00 |      12 | A    | SCIENCE  | 1997-04-22 |
|   1012 | RAGHAV GANGWAR         | MALE   |      58.00 |      12 | A    | COMMERCE | 1997-12-21 |
|   1013 | SAHIL SARASWAT         | MALE   |      57.00 |      12 | A    | COMMERCE | 1997-08-13 |
|   1014 | SWATI MISHRA           | FEMALE |      98.00 |      11 | A    | SCIENCE  | 1996-08-13 |
|   1015 | HARSH AGARWAL          | MALE   |      58.00 |      11 | B    | SCIENCE  | 2003-08-28 |
|   1016 | HARSHIT KUMAR          | MALE   |      98.00 |      11 | B    | SCIENCE  | 2003-05-22 |
|   1017 | JAHANVI KAPOOR         | MALE   |      65.00 |      11 | B    | SCIENCE  | 1997-01-10 |
|   1018 | STUTI MISHRA           | MALE   |      66.00 |      11 | C    | COMMERCE | 1996-01-10 |
|   1019 | SURYANSH KUMAR AGARWAL | MALE   |      85.00 |      11 | C    | COMMERCE | 2007-08-22 |
|   1020 | TANI RASTOGI           | FEMALE |      75.00 |      12 | C    | COMMERCE | 1998-01-15 |
|   1021 | TANISHK GUPTA          | MALE   |      55.00 |      12 | C    | SCIENCE  | 1998-04-11 |
|   1022 | TANMAY AGARWAL         | MALE   |      57.00 |      11 | C    | COMMERCE | 1998-06-28 |
|   1023 | YASH SAXENA            | MALE   |      79.00 |      11 | C    | SCIENCE  | 1998-03-13 |
|   1024 | YESH DUBEY             | MALE   |      85.00 |      12 | C    | COMMERCE | 1998-04-03 |
+--------+------------------------+--------+------------+---------+------+----------+------------+
24 rows in set (0.00 sec)
```

2. To display ony name and date of birth from the table STUDENT.
SELECT StdName, DOB FROM student ;

```
mysql> select Std_Name,DOB from Student;
+------------------------+------------+
| Std_Name               | DOB        |
+------------------------+------------+
| AKSHRA AGARWAL         | 1996-11-10 |
| ANJANI SHARMA          | 1996-09-18 |
| ANSHUL SAXENA          | 1996-11-19 |
| AISHWARYA SIGN         | 1996-11-01 |
| AKRITI SAXENA          | 1996-09-20 |
| KUSHI AGARWAL          | 2003-09-14 |
| MAAHI AGARWAL          | 1997-04-21 |
| MITALI GUPTA           | 1997-11-26 |
| NIKUNJ AGARWAL         | 1997-07-12 |
| PARKHI                 | 1997-12-20 |
| PRAKHAV GANGWAR        | 1997-04-22 |
| RAGHAV GANGWAR         | 1997-12-21 |
| SAHIL SARASWAT         | 1997-08-13 |
| SWATI MISHRA           | 1996-08-13 |
| HARSH AGARWAL          | 2003-08-28 |
| HARSHIT KUMAR          | 2003-05-22 |
| JAHANVI KAPOOR         | 1997-01-10 |
| STUTI MISHRA           | 1996-01-10 |
| SURYANSH KUMAR AGARWAL | 2007-08-22 |
| TANI RASTOGI           | 1998-01-15 |
| TANISHK GUPTA          | 1998-04-11 |
| TANMAY AGARWAL         | 1998-06-28 |
| YASH SAXENA            | 1998-03-13 |
| YESH DUBEY             | 1998-04-03 |
+------------------------+------------+
24 rows in set (0.00 sec)
```

3. To display all students record where percentage is greater of equal to 80 FROM student table.
SELECT * FROM student WHERE percentage >= 80;

```
mysql> select *from student where percentage>=80;
+--------+------------------------+--------+------------+---------+------+----------+------------+
| Std_Id | Std_Name               | Sex    | Percentage | S_Class | Sec  | Stream   | DOB        |
+--------+------------------------+--------+------------+---------+------+----------+------------+
|   1014 | SWATI MISHRA           | FEMALE |      98.00 |      11 | A    | SCIENCE  | 1996-08-13 |
|   1016 | HARSHIT KUMAR          | MALE   |      98.00 |      11 | B    | SCIENCE  | 2003-05-22 |
|   1019 | SURYANSH KUMAR AGARWAL | MALE   |      85.00 |      11 | C    | COMMERCE | 2007-08-22 |
|   1024 | YESH DUBEY             | MALE   |      85.00 |      12 | C    | COMMERCE | 1998-04-03 |
+--------+------------------------+--------+------------+---------+------+----------+------------+
4 rows in set (0.00 sec)
```

4. To display student name, stream and percentage where percentage of student is more than 80

SELECT StdName, Stream, Percentage WHERE percentage > 80;

```
mysql> select Std_Name,Stream,Percentage from student where Percentage>80;
+------------------------+----------+------------+
| Std_Name               | Stream   | Percentage |
+------------------------+----------+------------+
| SWATI MISHRA           | SCIENCE  |      98.00 |
| HARSHIT KUMAR          | SCIENCE  |      98.00 |
| SURYANSH KUMAR AGARWAL | COMMERCE |      85.00 |
| YESH DUBEY             | COMMERCE |      85.00 |
+------------------------+----------+------------+
4 rows in set (0.00 sec)
```

5. To display all records of science students whose percentage is more than 75 form student table.

SELECT * FORM student WHERE stream = 'Science' AND percentage > 75;

```
mysql> select *from student where stream="science" and percentage>75;
+--------+---------------+--------+------------+---------+-----+---------+------------+
| Std_Id | Std_Name      | Sex    | Percentage | S_Class | Sec | Stream  | DOB        |
+--------+---------------+--------+------------+---------+-----+---------+------------+
|   1008 | MITALI GUPTA  | FEMALE |      78.00 |      11 | A   | SCIENCE | 1997-11-26 |
|   1014 | SWATI MISHRA  | FEMALE |      98.00 |      11 | A   | SCIENCE | 1996-08-13 |
|   1016 | HARSHIT KUMAR | MALE   |      98.00 |      11 | B   | SCIENCE | 2003-05-22 |
|   1023 | YASH SAXENA   | MALE   |      79.00 |      11 | C   | SCIENCE | 1998-03-13 |
+--------+---------------+--------+------------+---------+-----+---------+------------+
4 rows in set (0.00 sec)
```

**Lab Activity 3: Open school database, then select student table and use following SQL statements.**
 **TYPE THE STATEMENT, PRESS ENTER AND NOTE THE OUTPUT 1.**
1.To display the STUDENT table structure.
DESCRIBE Student;

```
mysql> describe Student;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| Std_Id     | int          | NO   | PRI | NULL    |       |
| Std_Name   | varchar(30)  | NO   |     | NULL    |       |
| Sex        | varchar(6)   | YES  |     | NULL    |       |
| Percentage | decimal(5,2) | YES  |     | NULL    |       |
| S_Class    | int          | YES  |     | NULL    |       |
| Sec        | varchar(1)   | YES  |     | NULL    |       |
| Stream     | varchar(10)  | YES  |     | NULL    |       |
| DOB        | date         | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

2. To add a column (FIELD)in the STUDENT table,for example TeacherID as VARCHAR(20);
ALTER TABLE Student ADD TeacherID VARCHAR(20);

```
mysql> alter table student add Teacher_Id varchar(20);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

3. Type the statement DESC Student; Press enter key, now note the difference in table structure.

```
mysql> desc Student;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Std_Id     | int         | NO   | PRI | NULL    |       |
| Std_Name   | varchar(30) | NO   |     | NULL    |       |
| Sex        | varchar(6)  | YES  |     | NULL    |       |
| Percentage | decimal(5,2)| YES  |     | NULL    |       |
| S_Class    | int         | YES  |     | NULL    |       |
| Sec        | varchar(1)  | YES  |     | NULL    |       |
| Stream     | varchar(10) | YES  |     | NULL    |       |
| DOB        | date        | YES  |     | NULL    |       |
| Teacher_Id | varchar(20) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
9 rows in set (0.00 sec)
```

4. Type the statement and press enter key, note the new field that you have added as TeacherID
SELECT * FROM student;

```
mysql> select *from Student;
+--------+----------------------+--------+------------+---------+-----+----------+------------+------------+
| Std_Id | Std_Name             | Sex    | Percentage | S_Class | Sec | Stream   | DOB        | Teacher_Id |
+--------+----------------------+--------+------------+---------+-----+----------+------------+------------+
|   1001 | AKSHRA AGARWAL       | FEMALE |      70.00 |      11 | A   | SCIENCE  | 1996-11-10 | NULL       |
|   1002 | ANJANI SHARMA        | FEMALE |      75.00 |      11 | A   | COMMERCE | 1996-09-18 | NULL       |
|   1003 | ANSHUL SAXENA        | MALE   |      78.00 |      11 | A   | COMMERCE | 1996-11-19 | NULL       |
|   1004 | AISHWARYA SIGN       | FEMALE |      79.00 |      11 | A   | COMMERCE | 1996-11-01 | NULL       |
|   1005 | AKRITI SAXENA        | FEMALE |      76.00 |      11 | A   | COMMERCE | 1996-09-20 | NULL       |
|   1006 | KUSHI AGARWAL        | FEMALE |      77.00 |      11 | A   | COMMERCE | 2003-09-14 | NULL       |
|   1007 | MAAHI AGARWAL        | FEMALE |      74.00 |      11 | A   | SCIENCE  | 1997-04-21 | NULL       |
|   1008 | MITALI GUPTA         | FEMALE |      78.00 |      11 | A   | SCIENCE  | 1997-11-26 | NULL       |
|   1009 | NIKUNJ AGARWAL       | MALE   |      58.00 |      12 | A   | SCIENCE  | 1997-07-12 | NULL       |
|   1010 | PARKHI               | FEMALE |      59.00 |      12 | A   | COMMERCE | 1997-12-20 | NULL       |
|   1011 | PRAKHAV GANGWAR      | MALE   |      43.00 |      12 | A   | SCIENCE  | 1997-04-22 | NULL       |
|   1012 | RAGHAV GANGWAR       | MALE   |      58.00 |      12 | A   | COMMERCE | 1997-12-21 | NULL       |
|   1013 | SAHIL SARASWAT       | MALE   |      57.00 |      12 | A   | COMMERCE | 1997-08-13 | NULL       |
|   1014 | SWATI MISHRA         | FEMALE |      98.00 |      11 | A   | SCIENCE  | 1996-08-13 | NULL       |
|   1015 | HARSH AGARWAL        | MALE   |      58.00 |      11 | B   | SCIENCE  | 2003-08-28 | NULL       |
|   1016 | HARSHIT KUMAR        | MALE   |      98.00 |      11 | B   | SCIENCE  | 2003-05-22 | NULL       |
|   1017 | JAHANVI KAPOOR       | MALE   |      65.00 |      11 | B   | SCIENCE  | 1997-01-10 | NULL       |
|   1018 | STUTI MISHRA         | MALE   |      66.00 |      11 | C   | COMMERCE | 1996-01-10 | NULL       |
|   1019 | SURYANSH KUMAR AGARWAL | MALE |      85.00 |      11 | C   | COMMERCE | 2007-08-22 | NULL       |
|   1020 | TANI RASTOGI         | FEMALE |      75.00 |      12 | C   | COMMERCE | 1998-01-15 | NULL       |
|   1021 | TANISHK GUPTA        | MALE   |      55.00 |      12 | C   | SCIENCE  | 1998-04-11 | NULL       |
|   1022 | TANMAY AGARWAL       | MALE   |      57.00 |      11 | C   | COMMERCE | 1998-06-28 | NULL       |
|   1023 | YASH SAXENA          | MALE   |      79.00 |      11 | C   | SCIENCE  | 1998-03-13 | NULL       |
|   1024 | YESH DUBEY           | MALE   |      85.00 |      12 | C   | COMMERCE | 1998-04-03 | NULL       |
+--------+----------------------+--------+------------+---------+-----+----------+------------+------------+
24 rows in set (0.00 sec)
```

5. To modify the TeacherID data type form character to integer.
ALTER TABLE Student MODIFY TeacherID INTEGER ;
DESC Student;
SELECT * FROM student;

```
mysql> alter table student modify Teacher_Id int;
Query OK, 24 rows affected (0.16 sec)
Records: 24  Duplicates: 0  Warnings: 0
```

```
mysql> desc Student;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| Std_Id     | int          | NO   | PRI | NULL    |       |
| Std_Name   | varchar(30)  | NO   |     | NULL    |       |
| Sex        | varchar(6)   | YES  |     | NULL    |       |
| Percentage | decimal(5,2) | YES  |     | NULL    |       |
| S_Class    | int          | YES  |     | NULL    |       |
| Sec        | varchar(1)   | YES  |     | NULL    |       |
| Stream     | varchar(10)  | YES  |     | NULL    |       |
| DOB        | date         | YES  |     | NULL    |       |
| Teacher_Id | int          | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
9 rows in set (0.00 sec)

mysql> select *from Student;
+--------+-----------------------+--------+------------+---------+-----+----------+------------+------------+
| Std_Id | Std_Name              | Sex    | Percentage | S_Class | Sec | Stream   | DOB        | Teacher_Id |
+--------+-----------------------+--------+------------+---------+-----+----------+------------+------------+
|   1001 | AKSHRA AGARWAL        | FEMALE |      70.00 |      11 | A   | SCIENCE  | 1996-11-10 |       NULL |
|   1002 | ANJANI SHARMA         | FEMALE |      75.00 |      11 | A   | COMMERCE | 1996-09-18 |       NULL |
|   1003 | ANSHUL SAXENA         | MALE   |      78.00 |      11 | A   | COMMERCE | 1996-11-19 |       NULL |
|   1004 | AISHWARYA SIGN        | FEMALE |      79.00 |      11 | A   | COMMERCE | 1996-11-01 |       NULL |
|   1005 | AKRITI SAXENA         | FEMALE |      76.00 |      11 | A   | COMMERCE | 1996-09-20 |       NULL |
|   1006 | KUSHI AGARWAL         | FEMALE |      77.00 |      11 | A   | COMMERCE | 2003-09-14 |       NULL |
|   1007 | MAAHI AGARWAL         | FEMALE |      74.00 |      11 | A   | SCIENCE  | 1997-04-21 |       NULL |
|   1008 | MITALI GUPTA          | FEMALE |      78.00 |      11 | A   | SCIENCE  | 1997-11-26 |       NULL |
|   1009 | NIKUNJ AGARWAL        | MALE   |      58.00 |      12 | A   | SCIENCE  | 1997-07-12 |       NULL |
|   1010 | PARKHI                | FEMALE |      59.00 |      12 | A   | COMMERCE | 1997-12-20 |       NULL |
|   1011 | PRAKHAV GANGWAR       | MALE   |      43.00 |      12 | A   | SCIENCE  | 1997-04-22 |       NULL |
|   1012 | RAGHAV GANGWAR        | MALE   |      58.00 |      12 | A   | COMMERCE | 1997-12-21 |       NULL |
|   1013 | SAHIL SARASWAT        | MALE   |      57.00 |      12 | A   | COMMERCE | 1997-08-13 |       NULL |
|   1014 | SWATI MISHRA          | FEMALE |      98.00 |      11 | A   | SCIENCE  | 1996-08-13 |       NULL |
|   1015 | HARSH AGARWAL         | MALE   |      58.00 |      11 | B   | SCIENCE  | 2003-08-28 |       NULL |
|   1016 | HARSHIT KUMAR         | MALE   |      98.00 |      11 | B   | SCIENCE  | 2003-05-22 |       NULL |
|   1017 | JAHANVI KAPOOR        | MALE   |      65.00 |      11 | B   | SCIENCE  | 1997-01-10 |       NULL |
|   1018 | STUTI MISHRA          | MALE   |      66.00 |      11 | C   | COMMERCE | 1996-01-10 |       NULL |
|   1019 | SURYANSH KUMAR AGARWAL| MALE   |      85.00 |      11 | C   | COMMERCE | 2007-08-22 |       NULL |
|   1020 | TANI RASTOGI          | FEMALE |      75.00 |      12 | C   | COMMERCE | 1998-01-15 |       NULL |
|   1021 | TANISHK GUPTA         | MALE   |      55.00 |      12 | C   | SCIENCE  | 1998-04-11 |       NULL |
|   1022 | TANMAY AGARWAL        | MALE   |      57.00 |      11 | C   | COMMERCE | 1998-06-28 |       NULL |
|   1023 | YASH SAXENA           | MALE   |      79.00 |      11 | C   | SCIENCE  | 1998-03-13 |       NULL |
|   1024 | YESH DUBEY            | MALE   |      85.00 |      12 | C   | COMMERCE | 1998-04-03 |       NULL |
+--------+-----------------------+--------+------------+---------+-----+----------+------------+------------+
24 rows in set (0.00 sec)
```

**Lab Activity 4**

1. To Drop (Delete) a field form a table. For e.g you wantto delete TeacherID field.
ALTER TABLE Student DROP TeacherID;

```
mysql> alter table student drop Teacher_id;
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> desc student;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Std_Id     | int         | NO   | PRI | NULL    |       |
| Std_Name   | varchar(30) | NO   |     | NULL    |       |
| Sex        | varchar(6)  | YES  |     | NULL    |       |
| Percentage | decimal(5,2)| YES  |     | NULL    |       |
| S_Class    | int         | YES  |     | NULL    |       |
| Sec        | varchar(1)  | YES  |     | NULL    |       |
| Stream     | varchar(10) | YES  |     | NULL    |       |
| DOB        | date        | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

2. To subtract 5 form all students percentage and display name and percentage.
SELECT name, percentage - 5 FROM Student;

```
mysql> select Std_Name, Percentage -5 from Student;
+------------------------+---------------+
| Std_Name               | Percentage -5 |
+------------------------+---------------+
| AKSHRA AGARWAL         |         65.00 |
| ANJANI SHARMA          |         70.00 |
| ANSHUL SAXENA          |         73.00 |
| AISHWARYA SIGN         |         74.00 |
| AKRITI SAXENA          |         71.00 |
| KUSHI AGARWAL          |         72.00 |
| MAAHI AGARWAL          |         69.00 |
| MITALI GUPTA           |         73.00 |
| NIKUNJ AGARWAL         |         53.00 |
| PARKHI                 |         54.00 |
| PRAKHAV GANGWAR        |         38.00 |
| RAGHAV GANGWAR         |         53.00 |
| SAHIL SARASWAT         |         52.00 |
| SWATI MISHRA           |         93.00 |
| HARSH AGARWAL          |         53.00 |
| HARSHIT KUMAR          |         93.00 |
| JAHANVI KAPOOR         |         60.00 |
| STUTI MISHRA           |         61.00 |
| SURYANSH KUMAR AGARWAL |         80.00 |
| TANI RASTOGI           |         70.00 |
| TANISHK GUPTA          |         50.00 |
| TANMAY AGARWAL         |         52.00 |
| YASH SAXENA            |         74.00 |
| YESH DUBEY             |         80.00 |
+------------------------+---------------+
24 rows in set (0.00 sec)
```

3. Using column alise for example we wantto display StdName as Student Name and DOB as Date of Birth then the statement will be.
SELECT StdName AS "Student Name", DOB As "Date of Birth" FROM Student;

```
mysql> select Std_Name as "Student Name", DOB as "Date of Birth" from Student;
+------------------------+---------------+
| Student Name           | Date of Birth |
+------------------------+---------------+
| AKSHRA AGARWAL         | 1996-11-10    |
| ANJANI SHARMA          | 1996-09-18    |
| ANSHUL SAXENA          | 1996-11-19    |
| AISHWARYA SIGN         | 1996-11-01    |
| AKRITI SAXENA          | 1996-09-20    |
| KUSHI AGARWAL          | 2003-09-14    |
| MAAHI AGARWAL          | 1997-04-21    |
| MITALI GUPTA           | 1997-11-26    |
| NIKUNJ AGARWAL         | 1997-07-12    |
| PARKHI                 | 1997-12-20    |
| PRAKHAV GANGWAR        | 1997-04-22    |
| RAGHAV GANGWAR         | 1997-12-21    |
| SAHIL SARASWAT         | 1997-08-13    |
| SWATI MISHRA           | 1996-08-13    |
| HARSH AGARWAL          | 2003-08-28    |
| HARSHIT KUMAR          | 2003-05-22    |
| JAHANVI KAPOOR         | 1997-01-10    |
| STUTI MISHRA           | 1996-01-10    |
| SURYANSH KUMAR AGARWAL | 2007-08-22    |
| TANI RASTOGI           | 1998-01-15    |
| TANISHK GUPTA          | 1998-04-11    |
| TANMAY AGARWAL         | 1998-06-28    |
| YASH SAXENA            | 1998-03-13    |
| YESH DUBEY             | 1998-04-03    |
+------------------------+---------------+
24 rows in set (0.00 sec)
```

4. Display the name of all students whose stream is not Science SELECT StdNameFROMstudent WHERE Stream<>'Science';

```
mysql> select Std_Name from Student where Stream <> "SCIENCE";
+------------------------+
| Std_Name               |
+------------------------+
| ANJANI SHARMA          |
| ANSHUL SAXENA          |
| AISHWARYA SIGN         |
| AKRITI SAXENA          |
| KUSHI AGARWAL          |
| PARKHI                 |
| RAGHAV GANGWAR         |
| SAHIL SARASWAT         |
| STUTI MISHRA           |
| SURYANSH KUMAR AGARWAL |
| TANI RASTOGI           |
| TANMAY AGARWAL         |
| YESH DUBEY             |
+------------------------+
13 rows in set (0.00 sec)
```

5. Display all name and percentage where percentage is between 60 and 80 SELECT StdName, percentage FROM student WHERE percentage >=60 AND percentage<=80 ;

```
mysql> select Std_Name, Percentage from Student where Percentage>=60 AND Percentage<=80;
+----------------+------------+
| Std_Name       | Percentage |
+----------------+------------+
| AKSHRA AGARWAL |      70.00 |
| ANJANI SHARMA  |      75.00 |
| ANSHUL SAXENA  |      78.00 |
| AISHWARYA SIGN |      79.00 |
| AKRITI SAXENA  |      76.00 |
| KUSHI AGARWAL  |      77.00 |
| MAAHI AGARWAL  |      74.00 |
| MITALI GUPTA   |      78.00 |
| JAHANVI KAPOOR |      65.00 |
| STUTI MISHRA   |      66.00 |
| TANI RASTOGI   |      75.00 |
| YASH SAXENA    |      79.00 |
+----------------+------------+
12 rows in set (0.00 sec)
```

**Lab Activity 5:**

1.TochangeastudentnamefromSWATIMISHRAtoSWATIVERMAwhoseStdIDis1014andalsochange percentage 86.

UPDATE Student SET StdName = 'SWATI VERMA', percentage = 86 WHERE StdId = 1014;

```
mysql> update Student set Std_Name="SWATI VERMA", Percentage=86 where Std_Id=1014;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *from Student;
+--------+----------------------+--------+------------+---------+------+----------+------------+
| Std_Id | Std_Name             | Sex    | Percentage | S_Class | Sec  | Stream   | DOB        |
+--------+----------------------+--------+------------+---------+------+----------+------------+
|   1001 | AKSHRA AGARWAL       | FEMALE |      70.00 |      11 | A    | SCIENCE  | 1996-11-10 |
|   1002 | ANJANI SHARMA        | FEMALE |      75.00 |      11 | A    | COMMERCE | 1996-09-18 |
|   1003 | ANSHUL SAXENA        | MALE   |      78.00 |      11 | A    | COMMERCE | 1996-11-19 |
|   1004 | AISHWARYA SIGN       | FEMALE |      79.00 |      11 | A    | COMMERCE | 1996-11-01 |
|   1005 | AKRITI SAXENA        | FEMALE |      76.00 |      11 | A    | COMMERCE | 1996-09-20 |
|   1006 | KUSHI AGARWAL        | FEMALE |      77.00 |      11 | A    | COMMERCE | 2003-09-14 |
|   1007 | MAAHI AGARWAL        | FEMALE |      74.00 |      11 | A    | SCIENCE  | 1997-04-21 |
|   1008 | MITALI GUPTA         | FEMALE |      78.00 |      11 | A    | SCIENCE  | 1997-11-26 |
|   1009 | NIKUNJ AGARWAL       | MALE   |      58.00 |      12 | A    | SCIENCE  | 1997-07-12 |
|   1010 | PARKHI               | FEMALE |      59.00 |      12 | A    | COMMERCE | 1997-12-20 |
|   1011 | PRAKHAV GANGWAR      | MALE   |      43.00 |      12 | A    | SCIENCE  | 1997-04-22 |
|   1012 | RAGHAV GANGWAR       | MALE   |      58.00 |      12 | A    | COMMERCE | 1997-12-21 |
|   1013 | SAHIL SARASWAT       | MALE   |      57.00 |      12 | A    | COMMERCE | 1997-08-13 |
|   1014 | SWATI VERMA          | FEMALE |      86.00 |      11 | A    | SCIENCE  | 1996-08-13 |
|   1015 | HARSH AGARWAL        | MALE   |      58.00 |      11 | B    | SCIENCE  | 2003-08-28 |
|   1016 | HARSHIT KUMAR        | MALE   |      98.00 |      11 | B    | SCIENCE  | 2003-05-22 |
|   1017 | JAHANVI KAPOOR       | MALE   |      65.00 |      11 | B    | SCIENCE  | 1997-01-10 |
|   1018 | STUTI MISHRA         | MALE   |      66.00 |      11 | C    | COMMERCE | 1996-01-10 |
|   1019 | SURYANSH KUMAR AGARWAL| MALE  |      85.00 |      11 | C    | COMMERCE | 2007-08-22 |
|   1020 | TANI RASTOGI         | FEMALE |      75.00 |      12 | C    | COMMERCE | 1998-01-15 |
|   1021 | TANISHK GUPTA        | MALE   |      55.00 |      12 | C    | SCIENCE  | 1998-04-11 |
|   1022 | TANMAY AGARWAL       | MALE   |      57.00 |      11 | C    | COMMERCE | 1998-06-28 |
|   1023 | YASH SAXENA          | MALE   |      79.00 |      11 | C    | SCIENCE  | 1998-03-13 |
|   1024 | YESH DUBEY           | MALE   |      85.00 |      12 | C    | COMMERCE | 1998-04-03 |
+--------+----------------------+--------+------------+---------+------+----------+------------+
24 rows in set (0.00 sec)
```

2. To delete the records form student table where StdId is 1016.
DELETE FROM Student WHERE StdID = 1016;

```
mysql> delete from Student where Std_Id=1016;
Query OK, 1 row affected (0.01 sec)

mysql> select *from Student;
+--------+------------------------+--------+------------+---------+------+----------+------------+
| Std_Id | Std_Name               | Sex    | Percentage | S_Class | Sec  | Stream   | DOB        |
+--------+------------------------+--------+------------+---------+------+----------+------------+
|   1001 | AKSHRA AGARWAL         | FEMALE |      70.00 |      11 | A    | SCIENCE  | 1996-11-10 |
|   1002 | ANJANI SHARMA          | FEMALE |      75.00 |      11 | A    | COMMERCE | 1996-09-18 |
|   1003 | ANSHUL SAXENA          | MALE   |      78.00 |      11 | A    | COMMERCE | 1996-11-19 |
|   1004 | AISHWARYA SIGN         | FEMALE |      79.00 |      11 | A    | COMMERCE | 1996-11-01 |
|   1005 | AKRITI SAXENA          | FEMALE |      76.00 |      11 | A    | COMMERCE | 1996-09-20 |
|   1006 | KUSHI AGARWAL          | FEMALE |      77.00 |      11 | A    | COMMERCE | 2003-09-14 |
|   1007 | MAAHI AGARWAL          | FEMALE |      74.00 |      11 | A    | SCIENCE  | 1997-04-21 |
|   1008 | MITALI GUPTA           | FEMALE |      78.00 |      11 | A    | SCIENCE  | 1997-11-26 |
|   1009 | NIKUNJ AGARWAL         | MALE   |      58.00 |      12 | A    | SCIENCE  | 1997-07-12 |
|   1010 | PARKHI                 | FEMALE |      59.00 |      12 | A    | COMMERCE | 1997-12-20 |
|   1011 | PRAKHAV GANGWAR        | MALE   |      43.00 |      12 | A    | SCIENCE  | 1997-04-22 |
|   1012 | RAGHAV GANGWAR         | MALE   |      58.00 |      12 | A    | COMMERCE | 1997-12-21 |
|   1013 | SAHIL SARASWAT         | MALE   |      57.00 |      12 | A    | COMMERCE | 1997-08-13 |
|   1014 | SWATI VERMA            | FEMALE |      86.00 |      11 | A    | SCIENCE  | 1996-08-13 |
|   1015 | HARSH AGARWAL          | MALE   |      58.00 |      11 | B    | SCIENCE  | 2003-08-28 |
|   1017 | JAHANVI KAPOOR         | MALE   |      65.00 |      11 | B    | SCIENCE  | 1997-01-10 |
|   1018 | STUTI MISHRA           | MALE   |      66.00 |      11 | C    | COMMERCE | 1996-01-10 |
|   1019 | SURYANSH KUMAR AGARWAL | MALE   |      85.00 |      11 | C    | COMMERCE | 2007-08-22 |
|   1020 | TANI RASTOGI           | FEMALE |      75.00 |      12 | C    | COMMERCE | 1998-01-15 |
|   1021 | TANISHK GUPTA          | MALE   |      55.00 |      12 | C    | SCIENCE  | 1998-04-11 |
|   1022 | TANMAY AGARWAL         | MALE   |      57.00 |      11 | C    | COMMERCE | 1998-06-28 |
|   1023 | YASH SAXENA            | MALE   |      79.00 |      11 | C    | SCIENCE  | 1998-03-13 |
|   1024 | YESH DUBEY             | MALE   |      85.00 |      12 | C    | COMMERCE | 1998-04-03 |
+--------+------------------------+--------+------------+---------+------+----------+------------+
23 rows in set (0.00 sec)
```

3. Type the following SQL statement and note the output.
SELECT * FROM Student WHERE StdName LIKE 'G_' ;
SELECT * FROM Student WHERE StdName='G';
SELECT * FROM Student WHERE StdName LIKE 'G%' ;
SELECT * WHERE Student WHERE StdName='%G%' ;

```
mysql> select *from Student where Std_Name like 'G_';
Empty set (0.00 sec)

mysql> select *from Student where Std_Name like 'G';
Empty set (0.00 sec)

mysql> select *from Student where Std_Name like 'G%';
Empty set (0.00 sec)

mysql> select *from Student where Std_Name like '%G%';
+--------+-----------------------+--------+------------+---------+-----+----------+------------+
| Std_Id | Std_Name              | Sex    | Percentage | S_Class | Sec | Stream   | DOB        |
+--------+-----------------------+--------+------------+---------+-----+----------+------------+
|   1001 | AKSHRA AGARWAL        | FEMALE |      70.00 |      11 | A   | SCIENCE  | 1996-11-10 |
|   1004 | AISHWARYA SIGN        | FEMALE |      79.00 |      11 | A   | COMMERCE | 1996-11-01 |
|   1006 | KUSHI AGARWAL         | FEMALE |      77.00 |      11 | A   | COMMERCE | 2003-09-14 |
|   1007 | MAAHI AGARWAL         | FEMALE |      74.00 |      11 | A   | SCIENCE  | 1997-04-21 |
|   1008 | MITALI GUPTA          | FEMALE |      78.00 |      11 | A   | SCIENCE  | 1997-11-26 |
|   1009 | NIKUNJ AGARWAL        | MALE   |      58.00 |      12 | A   | SCIENCE  | 1997-07-12 |
|   1011 | PRAKHAV GANGWAR       | MALE   |      43.00 |      12 | A   | SCIENCE  | 1997-04-22 |
|   1012 | RAGHAV GANGWAR        | MALE   |      58.00 |      12 | A   | COMMERCE | 1997-12-21 |
|   1015 | HARSH AGARWAL         | MALE   |      58.00 |      11 | B   | SCIENCE  | 2003-08-28 |
|   1019 | SURYANSH KUMAR AGARWAL| MALE   |      85.00 |      11 | C   | COMMERCE | 2007-08-22 |
|   1020 | TANI RASTOGI          | FEMALE |      75.00 |      12 | C   | COMMERCE | 1998-01-15 |
|   1021 | TANISHK GUPTA         | MALE   |      55.00 |      12 | C   | SCIENCE  | 1998-04-11 |
|   1022 | TANMAY AGARWAL        | MALE   |      57.00 |      11 | C   | COMMERCE | 1998-06-28 |
+--------+-----------------------+--------+------------+---------+-----+----------+------------+
13 rows in set (0.00 sec)
```

4. Display all the streams in student table.
SELECT DISTINCT Stream FROM Student;

```
mysql> select distinct stream from Student;
+----------+
| stream   |
+----------+
| SCIENCE  |
| COMMERCE |
+----------+
2 rows in set (0.00 sec)
```

5. Note the output of the following statement.
SELECT StdName, Sex, Stream FROM Student WHERE percentage BETWEEN 70 AND 80;

```
mysql> select Std_Name, Sex, Stream from Student where Percentage between 70 and 80;
+----------------+--------+----------+
| Std_Name       | Sex    | Stream   |
+----------------+--------+----------+
| AKSHRA AGARWAL | FEMALE | SCIENCE  |
| ANJANI SHARMA  | FEMALE | COMMERCE |
| ANSHUL SAXENA  | MALE   | COMMERCE |
| AISHWARYA SIGN | FEMALE | COMMERCE |
| AKRITI SAXENA  | FEMALE | COMMERCE |
| KUSHI AGARWAL  | FEMALE | COMMERCE |
| MAAHI AGARWAL  | FEMALE | SCIENCE  |
| MITALI GUPTA   | FEMALE | SCIENCE  |
| TANI RASTOGI   | FEMALE | COMMERCE |
| YASH SAXENA    | MALE   | SCIENCE  |
+----------------+--------+----------+
10 rows in set (0.00 sec)
```

**Do yourself:**
Create a Table **Empl** to store employee details as shown below and write statements for following queries based on the table.

**alter table Empl modify column sal decimal(6,2); (modifying teh column name)**

**1.** Consider the **Empl** table and write SQL command to get the following.
**a.** Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200?

```
mysql> select ename,sal from Empl where sal>=2200;
+-----------+---------+
| ename     | sal     |
+-----------+---------+
| MAHADEVAN | 2985.00 |
| BINA      | 2850.00 |
| AMIR      | 5000.00 |
| SHIVANSH  | 2450.00 |
| SCOTT     | 3000.00 |
+-----------+---------+
5 rows in set (0.00 sec)
```

**b.** Write a query to display details of employs who are not getting commission?

```
mysql> select ename from Empl where comm is null;
+-----------+
| ename     |
+-----------+
| SMITH     |
| MAHADEVAN |
| BINA      |
| AMIR      |
| SHIVANSH  |
| SCOTT     |
+-----------+
6 rows in set (0.00 sec)
```

**c.** Write a query to display employee name and salary of those employees who don't have their salary in range of 2500 to 4000?

```
mysql> select ename,sal from Empl where sal not between 2500 and 4000;
+----------+---------+
| ename    | sal     |
+----------+---------+
| SMITH    |  800.00 |
| ANYA     | 1600.00 |
| SETH     | 1250.00 |
| MOMIN    | 1250.00 |
| AMIR     | 5000.00 |
| KULDEEP  | 1500.00 |
| SHIVANSH | 2450.00 |
+----------+---------+
7 rows in set (0.00 sec)
```

**d.** Write a query to display the name, job title and salary of employees who don't have manager?

```
mysql> select ename,job,sal from Empl where job!= 'MANAGER';
+----------+-----------+----------+
| ename    | job       | sal      |
+----------+-----------+----------+
| SMITH    | CLERK     |   800.00 |
| ANYA     | SALESMAN  |  1600.00 |
| SETH     | SALESMAN  |  1250.00 |
| MOMIN    | SALESMAN  |  1250.00 |
| AMIR     | PRESIDENT |  5000.00 |
| KULDEEP  | SALESMAN  |  1500.00 |
| SCOTT    | ANALYST   |  3000.00 |
+----------+-----------+----------+
7 rows in set (0.00 sec)

mysql> select ename,job,sal from Empl where job<> 'MANAGER';
+----------+-----------+----------+
| ename    | job       | sal      |
+----------+-----------+----------+
| SMITH    | CLERK     |   800.00 |
| ANYA     | SALESMAN  |  1600.00 |
| SETH     | SALESMAN  |  1250.00 |
| MOMIN    | SALESMAN  |  1250.00 |
| AMIR     | PRESIDENT |  5000.00 |
| KULDEEP  | SALESMAN  |  1500.00 |
| SCOTT    | ANALYST   |  3000.00 |
+----------+-----------+----------+
7 rows in set (0.00 sec)
```

**e.** Write a query to display the name of employee whose name contains "A" as third alphabet?

```
mysql> select ename from Empl where ename like "___A%";
+-----------+
| ename     |
+-----------+
| ANYA      |
| MAHADEVAN |
| BINA      |
+-----------+
3 rows in set (0.00 sec)
```

**f.** Write a query to display the name of employee whose name contains "T" as last alphabet?

```
mysql> select ename from Empl where ename like "%T";
+-------+
| ename |
+-------+
| SCOTT |
+-------+
1 row in set (0.00 sec)
```

**g.** Write a query to display the name of employee whose name contains "M" as First and "L" as third alphabet?

```
mysql> select ename from Empl where ename like "M%" and ename like "__h%";
+-----------+
| ename     |
+-----------+
| MAHADEVAN |
+-----------+
1 row in set (0.00 sec)

mysql> select ename from Empl where ename like "K%" and ename like "__L%";
+---------+
| ename   |
+---------+
| KULDEEP |
+---------+
1 row in set (0.00 sec)
```

'**h.** Write a query to display details of employs with the text "Not given", if is null

```
mysql> select *, "Not given" from empl where comm is null;
+-------+-----------+-----------+------+------------+---------+------+--------+-----------+
| empno | ename     | job       | mgr  | hiredate   | sal     | comm | deptno | Not given |
+-------+-----------+-----------+------+------------+---------+------+--------+-----------+
|  8369 | SMITH     | CLERK     | 8902 | 1990-12-18 |  800.00 | NULL |     20 | Not given |
|  8566 | MAHADEVAN | MANAGER   | 8839 | 1991-04-02 | 2985.00 | NULL |     20 | Not given |
|  8698 | BINA      | MANAGER   | 8839 | 1991-05-01 | 2850.00 | NULL |     30 | Not given |
|  8839 | AMIR      | PRESIDENT | NULL | 1991-11-18 | 5000.00 | NULL |     10 | Not given |
|  8882 | SHIVANSH  | MANAGER   | 8839 | 1991-06-09 | 2450.00 | NULL |     10 | Not given |
|  8888 | SCOTT     | ANALYST   | 8566 | 1992-12-09 | 3000.00 | NULL |     20 | Not given |
+-------+-----------+-----------+------+------------+---------+------+--------+-----------+
6 rows in set (0.00 sec)
```