

# Goldengate International Collage

Battishputali, Kathmandu





Lab Work: DBMS And MySQL - 1

### Submitted By:

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Sign:\_\_\_\_\_

6) Creating A DataBase school\_s10.

```
MariaDB [(none)]> create database school_s10;
Query OK, 1 row affected (0.002 sec)
```

7) Creating a Table Named **stud\_info**.

```
MariaDB [school_s10]> create table stud_info(RegNo int primary key,
    -> Name varchar(50),
    -> Class int(2),
    -> Gender char(1),
    -> Address varchar(50),
    -> Dob date);
Query OK, 0 rows affected (0.037 sec)
```

### 8) Inserting The data

```
MariaDB [school_s10]> INSERT INTO stud_info (RegNo, name, class,
     -> Gender, Address, Dob) VALUES
                    'SHIVA SAH', 12, 'M', 'KATHMANDU', '2008-03-05')
     -> (77001,
                    'RAMESH K.C.', 12,
                                                     'KATHMANDU', '2002-01-01'),
     -> (77002,
                                               'F'
                                                      'LALITPUR',
                    'RAMA SHARMA'
                                        12,
                                                                       '2002-10-21')
     -> (77003,
                                                      'LALITPUR'
                                                                        '2004-11-01')
     -> (77004,
                    'ANAND SHAKYA'
                                         12, 'M'
                    'SHITAL BHANDARI', 12,
     -> (77005,
                                                     'F', 'KATHMANDU', '2003-03-10')
                    'ABIN THAPA', 12,
                                                    'BHAKTAPUR', '2003-07-15'),
     -> (77006,
     -> (77007,
                                                  'F', 'KATHMANDU', '2002-12-31'),
                    'SITA MAHARJAN', 12,
     -> (77008, 'RITA K.C.', 12, 'F', 'LALITPUR', '2003-08-25'),
-> (77009, 'BIMALA LAKHEY', 12, 'F', 'BHAKTAPUR', '2003-09-05'),
-> (77010, 'RAMAN SUBEDI', 12, 'M', 'KATHMANDU', '2004-03-11'),
-> (77011, 'SHANTI KATUWAL', 12, 'F', 'BHAKTAPUR', '2002-11-18'),
-> (77012, 'SHIVA SAH', 12, 'M', 'KATHMANDU', '2008-03-05');
Query OK, 12 rows affected (0.006 sec)
Records: 12 Duplicates: 0 Warnings: 0
```

### 9) Display All The Record

MariaDB [	school_s10]> selec	ct* from	stud_info	o;	L
RegNo	Name	Class	Gender	Address	Dob
77001     77002	SHIVA SAH RAMESH K.C.	12 12	   M   M	KATHMANDU KATHMANDU	   2008-03-05     2002-01-01
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77004     77005	ANAND SHAKYA SHITAL BHANDARI	12 12	M   F	LALITPUR   KATHMANDU	2004-11-01     2003-03-10
77006	ABIN THAPA	12	M	BHAKTAPUR	2003-07-15
77007     77008	SITA MAHARJAN RITA K.C.	12 12	F   F	KATHMANDU   LALITPUR	2002-12-31     2003-08-25
77009	BIMALA LAKHEY	12	F	BHAKTAPUR	2003-09-05
77010     77011	RAMAN SUBEDI SHANTI KATUWAL	12 12	M   F	KATHMANDU   BHAKTAPUR	2004-03-11     2002-11-18
77012	SHIVA SAH	12	M	KATHMANDU	2008-03-05
12 rows i	n set (0.000 sec)	r	r	<del> </del>	

# 10) All The Student From Lalitpur.

```
MariaDB [school_s10]> select * from stud_info where Address='LALITPUR';
  RegNo
                          class
                                  Gender
                                            Address
                                                        Dob
          name
  77003
          RAMA SHARMA
                             12
                                            LALITPUR
                                                        2002-10-21
          ANAND SHAKYA
  77004
                             12
                                  М
                                            LALITPUR
                                                        2004-11-01
  77008
          RITA K.C.
                             12
                                                        2003-08-25
                                            LALITPUR
3 rows in set (0.000 sec)
```

### 11) All The Detail Of Girls

MariaDB	[school_s10]> seled	ct * from	n stud_in	fo where Gend	der='F';
RegNo	name	class	Gender	Address	Dob
77003 77005 77007 77008 77009	RAMA SHARMA   SHITAL BHANDARI   SITA MAHARJAN   RITA K.C.   BIMALA LAKHEY   SHANTI KATUWAL	12 12 12 12 12 12	F F F F	LALITPUR KATHMANDU KATHMANDU LALITPUR BHAKTAPUR BHAKTAPUR	2002-10-21   2003-03-10   2002-12-31   2003-08-25   2003-09-05   2002-11-18
6 rows in	n set (0.001 sec)	+		<b>+</b>	++

#### 12) All The Male Student From Kathmandu.

_	school_s10]> se ere Gender='M'				
RegNo	name	class	Gender	Address	Dob
77001   77002   77010   77012	SHIVA SAH RAMESH K.C. RAMAN SUBEDI SHIVA SAH	12	M   M   M   M	KATHMANDU KATHMANDU KATHMANDU KATHMANDU	2008-03-05   2002-01-01   2004-03-11   2002-11-18
4 rows in	set (0.001 sed	:)		+	++

## 13) Student Either From Kathmandu OR Bhaktapur.

	school_s10]> seled nere Address='BHAK				
RegNo	name	class	Gender	Address	Dob
77001	SHIVA SAH	12	. — — — — — — — — — — — — — — — — — — —	KATHMANDU	2008-03-05
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01
77005	SHITAL BHANDARI	12	F	KATHMANDU	2003-03-10
77006	ABIN THAPA	12	M	BHAKTAPUR	2003-07-15
77007	SITA MAHARJAN	12	F	KATHMANDU	2002-12-31
77009	BIMALA LAKHEY	12	F	BHAKTAPUR	2003-09-05
77010	RAMAN SUBEDI	12	M	KATHMANDU	2004-03-11
77011	SHANTI KATUWAL	12	F	BHAKTAPUR	2002-11-18
77012	SHIVA SAH	12	M	KATHMANDU	2002-11-18
rows ir	set (0.001 sec)	i		i	

# 14) Student Either From Kathmandu OR Bhaktapur.

```
[school_s10] > select * from stud_info where Name Like
RegNo
                        Class
                                 Gender
                                                        Dob
77002
        RAMESH K.C.
                            12
                                 М
                                           KATHMANDU
                                                        2002-01-01
77003
        RAMA SHARMA
                            12
                                 F
                                           LALITPUR
                                                        2002-10-21
                            12
                                 F
77008
        RITA K.C.
                                           LALITPUR
                                                        2003-08-25
                                                        2004-03-11
                            12
        RAMAN SUBEDI
rows in set (0.001 sec)
```

15) All The Student Record Between 77004 And 77088.

```
MariaDB [school_s10]> select * from stud_info
    -> where RegNo <=77008 And RegNo >=77004;
 RegNo |
                                     Gender | Address
                                                           Dob
         name
                            class
 77004
          ANAND SHAKYA
                                                            2004-11-01
                                12
                                     Μ
                                               KATHMANDU
 77005
          SHITAL BHANDARI
                                12
                                      F
                                               BHAKTAPUR
                                                            2003-03-10
 77006
          ABIN THAPA
                                12
                                     М
                                               KATHMANDU
                                                            2003-07-15
          SITA MAHARJAN
                                      F
 77007
                                12
                                               LALITPUR
                                                            2002-12-31
 77008
          RITA K.C.
                                12
                                               BHAKTAPUR
                                                            2003-08-25
5 rows in set (0.005 sec)
```

16) All The Record Of The Students Whose Name Ends With A.

```
MariaDB [school_s10]> select * from stud_info
    -> where name like '%A';
                          class
                                 Gender
                                            Address
                                                        Dob
 RegNo
          name
                                                        2002-10-21
          RAMA SHARMA
                             12
  77003
                                            LALITPUR
 77004
          ANAND SHAKYA
                             12
                                  М
                                            KATHMANDU
                                                        2004-11-01
  77006
          ABIN THAPA
                             12
                                            KATHMANDU
                                                        2003-07-15
3 rows in set (0.000 sec)
```

17) List Of The Student's, Born On Year 2002.

```
MariaDB [school_s10]> select * from stud_info
             where year(Dob)='2002'
 RegNo
                                   Gender
                                            Address
         Name
                           Class
                                                         Dob
  77002
          RAMESH K.C.
                              12
                                    М
                                             KATHMANDU
                                                         2002-01-01
  77003
          RAMA SHARMA
                               12
                                    F
                                             LALITPUR
                                                         2002-10-21
  77007
                                    F
          SITA MAHARJAN
                              12
                                             KATHMANDU
                                                         2002-12-31
  77011
          SHANTI KATUWAL
                              12
                                             BHAKTAPUR
                                                         2002-11-18
  rows in set (0.000 sec
```

18) List Of Students Born In March Of 2003.

19) RegNo, Name And Age Of All Students.

```
MariaDB [school_s10]> select Regno,
    -> year(sysdate())-year(Dob) AS Age from stud_info;
  Regno
                             Age
          name
  77001
          SHIVA SAH
                                17
  77002
          RAMESH K.C.
                                23
  77003
          RAMA SHARMA
                                23
          ANAND SHAKYA
  77004
                                21
  77005
                                22
          SHITAL BHANDARI
  77006
                                22
          ABIN THAPA
  77007
          SITA MAHARJAN
                                23
  77008
                                22
          RITA K.C.
          BIMALA LAKHEY
                                22
  77009
  77010
          RAMAN SUBEDI
                                21
  77011
          SHANTI KATUWAL
                                23
  77012
                                17
          SHIVA SAH
12 rows in set (0.001 sec)
```

20) List Of Students Whose Age Is Less Than 18.

21) The Students Born In Kathmandu On 2002.

```
MariaDB [school_s10]> select * from stud_info
    -> where Address='KATHMANDU' And year(Dob)='2002'
 RegNo
          Name
                           Class
                                  Gender
                                            Address
                                                         Dob
  77002
          RAMESH K.C.
                              12
                                             KATHMANDU
                                                         2002-01-01
  77007
          SITA MAHARJAN
                              12
                                             KATHMANDU
                                                         2002-12-31
2 rows in set (0.001 sec)
```

22) The Students Whose Name Contains 'A' As Second Letter.

```
MariaDB [school_s10]> select * from stud_info where name like '_A%
  RegNo
          name
                          class
                                  Gender
                                           Address
                                                        Dob
  77002
          RAMESH K.C.
                             12
                                           KATHMANDU
                                                        2002-01-01
  77003
          RAMA SHARMA
                             12
                                  F
                                           LALITPUR
                                                        2002-10-21
  77010
          RAMAN SUBEDI
                             12
                                           KATHMANDU
                                                        2004-03-11
 rows in set (0.001 sec)
```

# 23) All The Female Student Born On 2003.

	school_s10]> selection		_		
RegNo	name	class	Gender	Address	Dob
77008	SHITAL BHANDARI RITA K.C. BIMALA LAKHEY	12 12 12	F		2003-03-10     2003-08-25     2003-09-05
3 rows in	set (0.001 sec)				<del>-</del>

# 24) All Boys 19 Or Above.

	[school_s10]> se nere year(sysdat					
RegNo	Name	Class	Gender	Address	Dob	Age
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01	23
77004	ANAND SHAKYA	12	M	LALITPUR	2004-11-01	21
77006	ABIN THAPA	12	M	BHAKTAPUR	2003-07-15	22
77010	RAMAN SUBEDI	12	M	KATHMANDU	2004-03-11	21