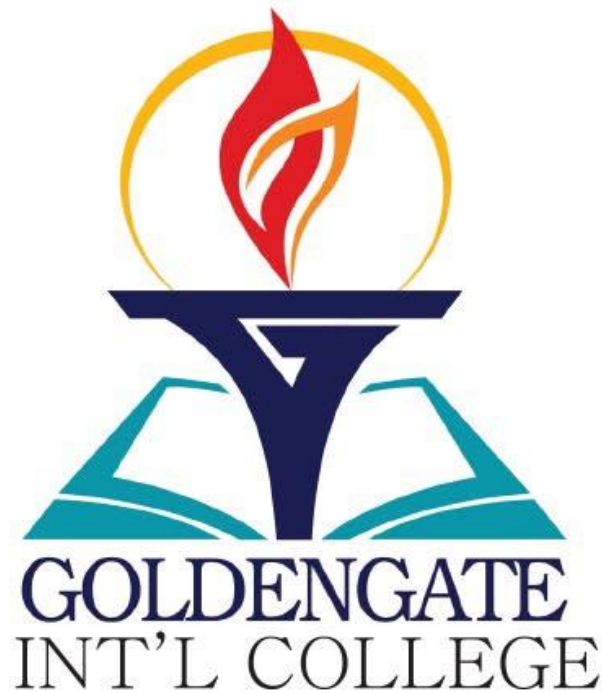




Goldengate International Collage

Battishputali, Kathmandu



Lab Work: DBMS And MySQL - 1

Submitted By:

Name: Shiv Kumar Sah

Class: 12

Sec: S10

Roll No: 33

Submitted To:

Computer Department
Of GGIC

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  
-> (77001, 'SHIVA SAH', 12, 'M', 'KATHMANDU', '2008-03-05'),  
-> (77002, 'RAMESH K.C.', 12, 'M', 'KATHMANDU', '2002-01-01'),  
-> (77003, 'RAMA SHARMA', 12, 'F', 'LALITPUR', '2002-10-21'),  
-> (77004, 'ANAND SHAKYA', 12, 'M', 'LALITPUR', '2004-11-01'),  
-> (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'),  
-> (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]> select* from stud_info;
```

RegNo	Name	Class	Gender	Address	Dob
77001	SHIVA SAH	12	M	KATHMANDU	2008-03-05
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77004	ANAND SHAKYA	12	M	LALITPUR	2004-11-01
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
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

12 rows in set (0.000 sec)

10) All The Student From Lalitpur.

```
MariaDB [school_s10]> select * from stud_info where Address='LALITPUR';
```

RegNo	name	class	Gender	Address	Dob
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77004	ANAND SHAKYA	12	M	LALITPUR	2004-11-01
77008	RITA K.C.	12	F	LALITPUR	2003-08-25

3 rows in set (0.000 sec)

11) All The Detail Of Girls

```
MariaDB [school_s10]> select * from stud_info where Gender='F';
```

RegNo	name	class	Gender	Address	Dob
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77005	SHITAL BHANDARI	12	F	KATHMANDU	2003-03-10
77007	SITA MAHARJAN	12	F	KATHMANDU	2002-12-31
77008	RITA K.C.	12	F	LALITPUR	2003-08-25
77009	BIMALA LAKHEY	12	F	BHAKTAPUR	2003-09-05
77011	SHANTI KATUWAL	12	F	BHAKTAPUR	2002-11-18

6 rows in set (0.001 sec)

12) All The Male Student From Kathmandu.

```
MariaDB [school_s10]> select * from stud_info
-> where Gender='M' And Address='KATHMANDU';
```

RegNo	name	class	Gender	Address	Dob
77001	SHIVA SAH	12	M	KATHMANDU	2008-03-05
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01
77010	RAMAN SUBEDI	12	M	KATHMANDU	2004-03-11
77012	SHIVA SAH	12	M	KATHMANDU	2002-11-18

4 rows in set (0.001 sec)

13) Student Either From Kathmandu OR Bhaktapur.

```
MariaDB [school_s10]> select * from stud_info
-> where Address='BHAKTAPUR' OR Address='KATHMANDU';
```

RegNo	name	class	Gender	Address	Dob
77001	SHIVA SAH	12	M	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

9 rows in set (0.001 sec)

14) Student Either From Kathmandu OR Bhaktapur.

```
MariaDB [school_s10]> select * from stud_info where Name Like 'R%';
```

RegNo	Name	Class	Gender	Address	Dob
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77008	RITA K.C.	12	F	LALITPUR	2003-08-25
77010	RAMAN SUBEDI	12	M	KATHMANDU	2004-03-11

4 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	name	class	Gender	Address	Dob
77004	ANAND SHAKYA	12	M	KATHMANDU	2004-11-01
77005	SHITAL BHANDARI	12	F	BHAKTAPUR	2003-03-10
77006	ABIN THAPA	12	M	KATHMANDU	2003-07-15
77007	SITA MAHARJAN	12	F	LALITPUR	2002-12-31
77008	RITA K.C.	12	F	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';
```

RegNo	name	class	Gender	Address	Dob
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77004	ANAND SHAKYA	12	M	KATHMANDU	2004-11-01
77006	ABIN THAPA	12	M	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	Name	Class	Gender	Address	Dob
77002	RAMESH K.C.	12	M	KATHMANDU	2002-01-01
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77007	SITA MAHARJAN	12	F	KATHMANDU	2002-12-31
77011	SHANTI KATUWAL	12	F	BHAKTAPUR	2002-11-18

4 rows in set (0.000 sec)

18) List Of Students Born In March Of 2003.

```
MariaDB [school_s10]> select * from stud_info
-> where year(Dob)='2003' and month(Dob)='03';
```

RegNo	name	class	Gender	Address	Dob
77005	SHITAL BHANDARI	12	F	KATHMANDU	2003-03-10

```
1 row in set (0.001 sec)
```

19) RegNo, Name And Age Of All Students.

```
MariaDB [school_s10]> select Regno, name,
-> year(sysdate())-year(Dob) AS Age from stud_info;
```

Regno	name	Age
77001	SHIVA SAH	17
77002	RAMESH K.C.	23
77003	RAMA SHARMA	23
77004	ANAND SHAKYA	21
77005	SHITAL BHANDARI	22
77006	ABIN THAPA	22
77007	SITA MAHARJAN	23
77008	RITA K.C.	22
77009	BIMALA LAKHEY	22
77010	RAMAN SUBEDI	21
77011	SHANTI KATUWAL	23
77012	SHIVA SAH	17

```
12 rows in set (0.001 sec)
```

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

```
MariaDB [school_s10]> select RegNo, name,  
-> year(sysdate())-year(Dob) AS Age from stud_info  
-> where year(sysdate())-year(Dob) <= 18 ;
```

RegNo	name	Age
77001	SHIVA SAH	17

```
1 row in set (0.000 sec)
```

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	M	KATHMANDU	2002-01-01
77007	SITA MAHARJAN	12	F	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	M	KATHMANDU	2002-01-01
77003	RAMA SHARMA	12	F	LALITPUR	2002-10-21
77010	RAMAN SUBEDI	12	M	KATHMANDU	2004-03-11

```
3 rows in set (0.001 sec)
```


23) All The Female Student Born On 2003.

```
MariaDB [school_s10]> select * from stud_info
-> where Gender='F' and year(Dob)='2003';
```

RegNo	name	class	Gender	Address	Dob
77005	SHITAL BHANDARI	12	F	KATHMANDU	2003-03-10
77008	RITA K.C.	12	F	LALITPUR	2003-08-25
77009	BIMALA LAKHEY	12	F	BHAKTAPUR	2003-09-05

3 rows in set (0.001 sec)

24) All Boys 19 Or Above.

```
MariaDB [school_s10]> select *, year(sysdate())-year(Dob) AS Age from stud_info
-> where year(sysdate())-year(Dob) >= 19 and Gender='M' ;
```

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

4 rows in set (0.001 sec)