

1.

```
MariaDB [(none)]> CREATE database db_ABLAY_ActivityBasicSQL;  
Query OK, 1 row affected (0.001 sec)
```

2.

```
MariaDB [(none)]> show databases;  
+-----+  
| Database |  
+-----+  
| db_ablay |  
| db_ablay_activitybasicsql |  
| db_sample |  
| information_schema |  
| mysql |  
| performance_schema |  
| phpmyadmin |  
| test |  
+-----+  
8 rows in set (0.001 sec)
```

3.

```
MariaDB [(none)]> USE db_ablay_activitybasicsql;  
Database changed
```

4.

Datatype	Sample Declaration such as gender char (6)
CHAR	Address char (50)
TINYTEXT	Name tinytext (30)
TINYINT	Age tinyint (3)
SMALLINT	Product smallint (7)
DECIMAL	Salary decimal (5,4)
NUMERIC	Quotient numeric (3, 4)
FLOAT	Area float (4, 4)
DOUBLE	Volume double (3, 3)
DATE	Birth date ('2002-11-03')
TIME	CurrentTime Time ('10:10:30')

Formative Task

1.

```
MariaDB [(none)]> USE db_ablay_activitybasicsql;
Database changed
MariaDB [db_ablay_activitybasicsql]> CREATE table PET (pet_id int(8), pet_name varchar(50), pet_gender char(6), pet_color varchar(15), pet_age tinyint(3), pet_type char(20));
Query OK, 0 rows affected (0.025 sec)
```

2.

```
MariaDB [db_ablay_activitybasicsql]> SHOW tables;
+-----+
| Tables_in_db_ablay_activitybasicsql |
+-----+
| pet                                   |
+-----+
1 row in set (0.001 sec)
```

3.

```
MariaDB [db_ablay_activitybasicsql]> DESCRIBE PET;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pet_id     | int(8)        | YES  |     | NULL    |       |
| pet_name   | varchar(50)   | YES  |     | NULL    |       |
| pet_gender | char(6)       | YES  |     | NULL    |       |
| pet_color  | varchar(15)   | YES  |     | NULL    |       |
| pet_age    | tinyint(3)    | YES  |     | NULL    |       |
| pet_type   | char(20)      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.017 sec)
```

4.

```
MariaDB [db_ablay_activitybasicsql]> RENAME TABLE pet to tbl_pet
-> ;
Query OK, 0 rows affected (0.014 sec)
```

6.

```
MariaDB [db_ablay_activitybasicsql]> CREATE table owner (owner_id int(8), owner_name varchar(30), own_address text, owner_ginger char(6));
Query OK, 0 rows affected (0.023 sec)
```

7.

```
MariaDB [db_ablay_activitybasicsql]> RENAME TABLE owner to tbl_owner;  
Query OK, 0 rows affected (0.014 sec)
```

8.

```
MariaDB [db_ablay_activitybasicsql]> CREATE table tbl_buyer (buyer_id int(8), buyer_name varchar(30), buyer_address text, buyer_gender char(6));  
Query OK, 0 rows affected (0.023 sec)
```

9.

```
MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_pet ADD (pet_breed varchar(30), pet_price float(10,2), pet_contact varchar(11), pet_address text);  
Query OK, 0 rows affected (0.015 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

10.

```
MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_owner ADD owner_status int(8) FIRST;  
Query OK, 0 rows affected (0.007 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [db_ablay_activitybasicsql]> DESCRIBE tbl_pet;
```

Field	Type	Null	Key	Default	Extra
pet_id	int(8)	YES		NULL	
pet_name	varchar(50)	YES		NULL	
pet_gender	char(6)	YES		NULL	
pet_color	varchar(15)	YES		NULL	
pet_age	tinyint(3)	YES		NULL	
pet_type	char(20)	YES		NULL	
pet_status	varchar(30)	YES		NULL	
pet_breed	varchar(30)	YES		NULL	
pet_price	float(10,2)	YES		NULL	
pet_contact	varchar(11)	YES		NULL	
pet_address	text	YES		NULL	

11 rows in set (0.014 sec)

11.

```
MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_owner CHANGE COLUMN own_address owner_address text;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_owner CHANGE COLUMN owner_ginger owner_gender char(6);
Query OK, 0 rows affected (0.005 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

12.

```
MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_pet DROP COLUMN pet_address;
Query OK, 0 rows affected (0.005 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

13.

```
MariaDB [db_ablay_activitybasicsql]> ALTER TABLE tbl_owner ADD owner_contact text;
Query OK, 0 rows affected (0.013 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner add owner_email varchar(30);
Query OK, 0 rows affected (0.014 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner modify owner_email varchar(10) FIRST;
Query OK, 0 rows affected (0.060 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner modify owner_status varchar(10) after owner_gender;
Query OK, 0 rows affected (0.043 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner modify owner_address text;
Query OK, 0 rows affected (0.015 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

14.

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner modify owner_id int(8) FIRST;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

15.

```
MariaDB [db_ablay_activitybasicsql]> drop table tbl_buyer;
Query OK, 0 rows affected (0.037 sec)
```

16.

```
MariaDB [db_ablay_activitybasicsql]> alter table tbl_owner modify owner_status varchar(30) COMMENT 'Owner status if single, married,etc';
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

17.

```
MariaDB [db_ablay_activitybasicsql]> desc tbl_owner;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| owner_id       | int(8)        | YES  |     | NULL    |       |
| owner_email    | varchar(10)   | YES  |     | NULL    |       |
| owner_name     | varchar(30)   | YES  |     | NULL    |       |
| owner_address  | text          | YES  |     | NULL    |       |
| owner_gender   | char(6)       | YES  |     | NULL    |       |
| owner_status   | varchar(30)   | YES  |     | NULL    |       |
| owner_contact  | text          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.015 sec)
```

```
MariaDB [db_ablay_activitybasicsql]> desc tbl_pet;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pet_id         | int(8)        | YES  |     | NULL    |       |
| pet_name       | varchar(50)   | YES  |     | NULL    |       |
| pet_gender     | char(6)       | YES  |     | NULL    |       |
| pet_color      | varchar(15)   | YES  |     | NULL    |       |
| pet_age        | tinyint(3)    | YES  |     | NULL    |       |
| pet_type       | char(20)      | YES  |     | NULL    |       |
| pet_status     | varchar(30)   | YES  |     | NULL    |       |
| pet_breed      | varchar(30)   | YES  |     | NULL    |       |
| pet_price      | float(10,2)   | YES  |     | NULL    |       |
| pet_contact    | varchar(11)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.015 sec)
```

18.

MEOW

Insights:

I have learned many things in this laboratory that I, which I rarely did, enjoy. I liked how fun it is to code in cmd and it was refreshing to feel kind of understanding almost any syntax you have entered. I learned how to utilize databases, show the tables within them, and also use them. I have learned that you cannot fill in information within the databases if you did not specify what datatype you have to use for them to be put in the database. I have learned how to create tables, inspect what the information or details I have put, renaming, adding, removing, and modifying them. Overall, I liked the lesson and I would expect to undergo more advanced handling in databases.