Experiment 1.1

Student Name: Alasso **Branch: BE-CSE**

UID: **Section/Group:**

Date of performance: 12/08/2022 **Subject name: DBMS**

AIM:

To implement different types of DDL, DML, DCL queries.

RESULT/OUTPUT:

1. CREATE Command:

```
1  create table students (student_id int, first_name varchar(255), last_name varchar(255), section varchar(255), Address varchar(255));
```

```
Table created.
```

2. DESCRIBE Command:

```
1  desc students;
```

TABLE STUDENTS

Column	Null?	Type
STUDENT_ID	-	NUMBER
FIRST_NAME	-	VARCHAR2(255)
LAST_NAME	-	VARCHAR2(255)
SECTION	-	VARCHAR2(255)
ADDRESS	-	VARCHAR2(255)

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5 rows selected.

3. INSERT Command:

```
insert into students(student_id, first_name, last_name, section, Address) values ('112','Shivam','Kumar','A', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('113','Karan','Mali','B', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('114','Shashwat','Pratap','C', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('115','Sampanna','Shukla','D', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('116','Ashish','Kumar','E', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('117','Om','Patel','A', 'Chandigarh University');
```

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

4. SELECT Command:

```
select * from students;
```

STUDENT_ID	FIRST_NAME	LAST_NAME	SECTION	ADDRESS
112	Shivam	Kumar	A	Chandigarh University
113	Karan	Mali	B	Chandigarh University
114	Shashwat	Pratap	C	Chandigarh University
115	Sampanna	Shukla	D	Chandigarh University
116	Ashish	Kumar	E	Chandigarh University
117	Om	Patel	A	Chandigarh University

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5. DISTINCT Command:

```
1  select distinct first_name from students;
```

FIRST_NAME
Shivam
Ashish
Om
Shashwat
Sampanna
Karan

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6 rows selected.

6. DELETE Command:

```
1  delete from students where student_id=117;
```

1 row(s) deleted.

7. ALTER Command (ADD):

```
1  alter table students add(father_name varchar(255));
2  select * from students;
```

Table altered.

STUDENT_ID	FIRST_NAME	LAST_NAME	SECTION	ADDRESS	FATHER_NAME
112	Shivam	Kumar	A	Chandigarh University	-
113	Karan	Mali	B	Chandigarh University	-
114	Shashwat	Pratap	C	Chandigarh University	-
115	Sampanna	Shukla	D	Chandigarh University	-
116	Ashish	Kumar	E	Chandigarh University	-

Download CSV

5 rows selected.

8. ALTER Command (DROP):

```
1  alter table students drop(father_name);
2  select * from students;
```

Table altered.

STUDENT_ID	FIRST_NAME	LAST_NAME	SECTION	ADDRESS
112	Shivam	Kumar	A	Chandigarh University
113	Karan	Mali	B	Chandigarh University
114	Shashwat	Pratap	C	Chandigarh University
115	Sampanna	Shukla	D	Chandigarh University
116	Ashish	Kumar	E	Chandigarh University

Download CSV

5 rows selected.

9. RENAME Command:

```
1  rename students to student_info;
```

```
Statement processed.
```

10. TRUNCATE Command:

```
1  truncate table student_info;
```

```
Table truncated.
```

11. DROP Command:

```
1  drop table student_info;
```

```
Table dropped.
```

ALL OPERATIONS:

```
create table students (student_id int, first_name varchar(255), last_name varchar(255), section varchar(255), Address varchar(255));
desc students;
insert into students(student_id, first_name, last_name, section, Address) values ('112','Shivam','Kumar','A', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('113','Karan','Mali','B', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('114','Shashwat','Pratap','C', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('115','Sampanna','Shukla','D', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('116','Ashish','Kumar','E', 'Chandigarh University');
insert into students(student_id, first_name, last_name, section, Address) values ('117','Om','Patel','A', 'Chandigarh University');
select * from students;
select distinct first_name from students;
delete from students where student_id=117;
alter table students add(father_name varchar(255));
select * from students;
alter table students drop(father_name);
select * from students;
rename students to student_info;
```

12. UNION Command:

```
1  create table customer(customer_id int, customer_name varchar(255), address varchar(255));
2  insert into customer(customer_id, customer_name, address) values('111','Shivam','Panchkula');
3
4  create table supplier(supplier_id int, supplier_name varchar(255), address varchar(255));
5  insert into supplier(supplier_id, supplier_name, address) values('131','Shubham','Panchkula');
6
7  select * from customer
8  union
9  select * from supplier;
```

```
Table created.

1 row(s) inserted.

Table created.

1 row(s) inserted.
```

CUSTOMER_ID	CUSTOMER_NAME	ADDRESS
111	Shivam	Panchkula
131	Shubham	Panchkula

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2 rows selected.

Learning outcomes:

1. Learned DDL, DML commands.
2. Learned about MYSQL commands and their uses.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30