Ex.No.1 09.01.2025	DATA DEFINITION LANGUAGE, COMMANDS, INTEGRITY CONSTRAINTS

AIM

To execute data definition language commands and integrity constraints.

CREATED THE TABLE:

```
SQL> CREATE TABLE emp_detail(emp_id number(4),  emp_name char(12));
Table created.
```

INSERTED A ROW:

```
SQL> insert into emp_detail values (2341,'Anu');
1 row created.
SQL> insert into emp_detail values (2342,'Akshaya');
1 row created.
SQL> insert into emp_detail values (2343,'Bharathi');
1 row created.
SQL> insert into emp_detail values (2344,'Charu');
1 row created.
SQL> insert into emp_detail values (2345,'Dharshini');
1 row created.
```

```
SQL> select * from emp_detail;
   EMP_ID EMP_NAME
   ---------- ------------
     2341   Anu
     2342   Akshaya
     2343   Bharathi
     2344   Charu
     2345   Dharshini
```

ADD NEW COLUMN:

alter table emp_detail add (emp_sal varchar(8));

Table altered.

SQL> select * from emp_detail;

EMP_ID	EMP_NAME	EMP_SAL
2341	Anu	
2342	Akshaya	
2343	Bharathi	
2344	Charu	
2345	Dharshini	

DROPPING A COLUMN:

SQL> alter table emp_detail drop column emp_sal;

Table altered.

SQL> select * from emp_detail;

EMP_ID	EMP_NAME
2341	Anu
2342	Akshaya
2343	Bharathi
2344	Charu
2345	Dharshini

MODIFYING A COLUMN:

SQL> alter table emp_detail modify (emp_name varchar(20));

Table altered.

SQL> select * from emp_detail;

EMP_ID	EMP_NAME

2341 Anu

2342 Akshaya

2343 Bharathi

2344 Charu

2345 Dharshini

RENAMING A COLUMN:

SQL> alter table emp_detail rename to emp_info;

Table altered.

SQL> select * from emp_info;

EMP_ID EMP_NAME

---------- --------------------

2341 Anu

2342 Akshaya

2343 Bharathi

2344 Charu

2345 Dharshini

TRUNCATING THE TABLE:

SQL> TRUNCATE TABLE emp_info;

Table truncated.

SQL> select * from emp_info;

no rows selected

DESTROYING THE TABLE:

SQL> DROP TABLE emp_info;

Table dropped.

SQL> select * from emp_info;

select * from emp_info

ERROR at line 1:ORA-00942: table or view does not exist

NOT NULL CONSTRAINT:

SQL> create table students(id int not null, name varchar(20) not null, age int not null, primary key(id));

Table created.

DEFAULT CONSTRAINT:

SQL> create table studants(id int not null,name varchar(20) not null,age int not null,primary key(id),gender varchar(20) default 'female');

Table created.

UNIQUE CONSTRAINT:

SQL> create table STUD_ENT(id int not null, name varchar(20) not null, age int not null, phone int not null unique);

Table created.

PRIMARY KEY

SQL> create table studentss(id int not null, name varchar(20) not null , age int not null ,primary key(id));

Table created.

FOREIGN KEY

SQL> create table students(id int not null, name varchar(20) not null , age int not null ,primary key(id));

Table created.

SQL> create table orders (

2 id int not null,

3 student_id int references students(id),

4 age int not null,

5 primary key (id));

Table created.

CHECK CONSTRAINT

```
SQL> create table students(
  2    id   int  not null,
  3    name varchar (20)  not null,
  4    age  int  not null check (age >= 18),
  5    address  char (25) ,
  6    fees   decimal (18, 2),
  7    primary key (id) );
```

Table created.

DROPPING CONSTAINTS

```
SQL> alter table students drop primary key;
```

Table altered.

CONTENTS	MARKS ALLOTED	MARKS OBTAINED
Aim , Algorithm, SQL,PL/SQL	30	
Execution and Result	20	
Viva	10	
Total	60	

RESULT

Thus data definition language commands and integrity constraints were executed.