EXPERIMENT – 9

VIEWS

AIM:

- Create table student with attributes id, name and department.
- Display
- Create view and select
- Insert values
- Create view with check point
- Insert values and alter table.

Components:

- A **view** is a subset of a database that is generated from a query and stored as a permanent object.
- Instance: It **is** the collection of information stored **in a** database at a particular moment.
- Entity: Object that is relevant to given system. Represented as rectangle.
- Attribute: Trait of an entity, relationship or other attribute. Represented by oval.

Schema:

```sql
1 •   create table students(std_id integer,std_name varchar(20),dept varchar(20));
2 •   desc students;
3 •   create view std_view as select std_id,std_name,dept from students;
4 •   select *from std_view;
5 •   insert into std_view values(537,'Laya','CSE');
6 •   insert into std_view values(504,'Nithya','CSE');
7 •   insert into std_view values(556,'varshitha','CSE');
8 •   select *from std_view;
9 •   alter view std_view as select std_id,std_name,dept from students where std_id = 537;
10 •  select *from std_view;
11 •  create view std_view as select std_id,std_name,dept from students with check option;
12 •  insert into std_view values(501,'Sudeepya','CSE');
13 •  select *from std_view;
14 •   alter view std_view as select std_id,std_name,dept from students where std_id = 501;
15 •   select *from std_view;
16 •   drop view std_view;
17
```

Outputs:

Field	Type	Null	Key	Default	Extra
std_id	int	YES		NULL	
std_name	varchar(20)	YES		NULL	
dept	varchar(20)	YES		NULL	

Result Grid | Filter Rows:

std_id	std_name	dept
537	Laya	CSE
504	Nithya	CSE
556	varshitha	CSE
501	Sudeepya	CSE