

## B. Implementation of Dynamic SQL

1. Create table location with attributes location id and location name. Location id should be set as primary key which will increment automatically.

```
create table location (location_id number  
primary key, location_name varchar(100))
```

**Table created.**

```
create sequence location_seq start with 1  
increment by 1
```

**Sequence created.**

2. Add 3 records in location table.

```
insert into location values (location_seq.nextval,  
'Kudal')
```

```
insert into location values (location_seq.nextval,  
'Kankavli')
```

```
insert into location values (location_seq.nextval,  
'Oros')
```

**1 row(s) inserted.**

```
select * from location
```

LOCATION_ID	LOCATION_NAME
1	Kudal
2	Kankavli
3	Oros

3. Create a schema level procedure which will accept location as a parameter. It should insert that location into location table. It should also create a new table with the name emp\_location (here location should be passed dynamically as a parameter to the procedure) (Hint: Use EXECUTE IMMEDIATE).

```
create or replace procedure  
dynamica(user_location varchar) as  
begin
```

```
insert into location values (location_seq.nextval,  
user_location);  
EXECUTE IMMEDIATE  
'CREATE TABLE' || 'loc_' || user_location ||  
'(location_id number primary key,  
location_name varchar(100))';  
end;
```

**Procedure created.**

4. Call the created procedure by passing values as 'Rajarampuri' and 'Shahupuri'. (Hint: In the background, tables with name emp\_Rajarampuri and emp\_shahupuri should get created).

```
begin  
dynamica('rajarampuri');  
dynamica('shahupuri');  
end;
```

**Statement processed.**

5. Insert two records in the tables created after execution of Q. 4.

```
insert into loc_rajarampuri values(1, 'Anushka');
```

```
insert into loc_rajarampuri values(2, 'Karina');
```

```
insert into loc_shahupuri values(1, 'Khushi');
```

```
insert into loc_shahupuri values(2, 'Tanihsa');
```

**1 row(s) inserted.**

6. Display those two tables.

```
select * from loc_rajarampuri
```

LOCATION_ID	LOCATION_NAME
1	Anushka
2	Karina

```
select * from loc_shahupuri
```

LOCATION_ID	LOCATION_NAME
1	Khushi
2	Tanihsa