**Registration No. – 19BCE1603**

**Name: - Wilson Vidyut Doloy**

**Ex. 2 DDL Constraints**

**07-12-19**

Consider the following employee database, where the primary keys are underlined.

employee (employee\_name, street, city)

company (company\_name, city)

works (employee\_name, company\_name, salary)

manages (employee\_name, manager\_name)

Queries:

1. First create tables without constraints

2. Add the primary Key constraints (Underlined attributes are primary keys )

3. Add the Foreign Keys wherever it is applicable.

4. The attributes city and manager name cannot be null.

5. Make the salary Decimal, 7 digits maximum with 2 digits to the right of the decimal

place

6. Insert a new column in employee called PAN which is unique

7. Insert a new column ‘Age’ in employee and ensure that the values must lie between 25

and 60 (both inclusive)

8. Drop the not null constraint for the attribute ‘city’

9. Set the default constraint to the attribute ‘city’ with the value ‘Chennai’.

10. Drop the primary key constraint in the table ‘company’

Note: Use the proper naming convention for your constraints

1) create table employee(

employee\_name varchar2(30),

street varchar2(30),

city varchar2(30));

create table company(

company\_name varchar2(30),

city varchar2(30));

create table works(

employee\_name varchar2(30),

company\_name varchar2(30),

salary number(8));

create table manages(

employee\_name varchar2(30),

manager\_name varchar2(30));

2)Alter table employee

Modify employee\_name varchar2(30) primary key;

Alter table company

Modify company\_name varchar2(30) primary key;

Alter table works

Modify employee\_name varchar2(30) primary key;

Alter table manages

Modify employee\_name varchar2(30) primary key;

3) Alter table employee

Modify city varchar2(30) foreign key;

Alter table company

Modify company\_name varchar2(30) foreign key;

Alter table works

Modify employee\_name varchar2(30) foreign key;

Alter table manages

Modify employer\_name varchar2(30) foreign key;

4) Alter table employee

Modify city varchar2(30) not null;

Alter table company

Modify city varchar2(30) not null;

Alter table manages

Modify manager\_name varchar2(30) not null;

5) Alter table works

Modify salary decimal(7,2);

6) Alter table employee

Add PAN varchar2(10) unique;

7) Alter table employee

Add AGE number(2) check(age>=25 and age<=60);

8) Alter table employee

Drop constraint not null;

9) Alter table employee

Modify city varchar2(30) default=’Chennai’;

Alter table company

Modify city varchar2(30) default=’Chennai’;

10) Alter table company

Drop constraint primary key;