## Assignment N0:-1

**date:24/11/2024**

postgres=# create database company;

CREATE DATABASE

postgres=# \c company;

You are now connected to database "company" as user "postgres".

company=# create table dept(d\_id int primary key,d\_name varchar(20));

CREATE TABLE

company=# \d dept;

Table "public.dept"

Column | Type | Collation | Nullable | Default

--------+-----------------------+-----------+----------+---------

d\_id | integer | | not null |

d\_name | character varying(20) | | |

Indexes:

"dept\_pkey" PRIMARY KEY, btree (d\_id)

company=# alter table dept add d\_location varchar(20);

ALTER TABLE

company=# \d dept;

Table "public.dept"

Column | Type | Collation | Nullable | Default

------------+-----------------------+-----------+----------+---------

d\_id | integer | | not null |

d\_name | character varying(20) | | |

d\_location | character varying(20) | | |

Indexes:

"dept\_pkey" PRIMARY KEY, btree (d\_id)

company=# insert into dept values(1,'bca','first\_flour');

INSERT 0 1

company=# select \* from dept;

d\_id | d\_name | d\_location

------+--------+-------------

1 | bca | first\_flour

(1 row)

company=# insert into dept values(2,'bba');

INSERT 0 1

company=# select \* from dept;

d\_id | d\_name | d\_location

------+--------+-------------

1 | bca | first\_flour

2 | bba |

company=# update dept set d\_location='second\_flour' where d\_id=2;

UPDATE 1

company=# insert into dept values(3,'bbaca','third\_flour');

INSERT 0 1

company=# insert into dept values(4,'bsc','fourth\_flour');

INSERT 0 1

company=# select \* from dept;

d\_id | d\_name | d\_location

------+--------+--------------

1 | bca | first\_flour

2 | bba | second\_flour

3 | bbaca | third\_flour

4 | bsc | fourth\_flour

company=# create table employee(emp\_id int primary key,emp\_name varchar(20),emp\_salary int,d\_id int,foreign key (d\_id) references dept(d\_id));

CREATE TABLE

company=# insert into employee values(1,'sonu',20000);

INSERT 0 1

company=# insert into employee values(2,'monu',30000);

INSERT 0 1

company=# insert into employee values(3,'dnyanu',25000);

INSERT 0 1

company=# insert into employee values(4,gany',30000);

INSERT 0 1

company=# select \* from employee;

emp\_id | emp\_name | emp\_salary | d\_id

--------+----------+------------+------

1 | | sonu 20000 |

2 | | monu 30000 |

3 | | dnyanu 25000 |

4 | gany 30000 | |

company=# update employee set d\_id=1 where emp\_id=1;

UPDATE 1

company=# update employee set d\_id=2 where emp\_id=2;

UPDATE 1

company=# update employee set d\_id=3 where emp\_id=3;

UPDATE 1

company=# update employee set d\_id=4 where emp\_id=4;

UPDATE 1

company=# select \* from employee;

emp\_id | emp\_name | emp\_salary | d\_id

--------+----------+------------+------

1 | | sonu 20000 | 1

2 | | monu 30000 | 2

3 | dnyanu 25000 3

4 | | gany 30000 | 4

company=# select \* from employee full join dept on employee.d\_id=dept.d\_id;

emp\_id | emp\_name | emp\_salary | d\_id | d\_id | d\_name | d\_location

--------+----------+------------+------+------+--------+--------------

1 |sonu | 20000 | 1 | 1 | bca | first\_flour

2 |monu | 30000 | 2 | 2 | bba | second\_flour

3 |dnyanu | 25000 | 3 | 3 | bbaca | third\_flour

4 |gany | 30000 | 4 | 4 | bsc | fourth\_flour

company=# select employee.emp\_name from employee where d\_id=1;

emp\_name

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anagha