**DBMS LAB 3**

Step1: Insert the table factory with their attributes such as :

CREATE TABLE FACTORY(CITY VARCHAR(100) PRIMARY KEY , THROUGHPUT NUMBER(20)

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Step2: Insert values in the factory table first so that we can then link it with the employee table as a foreign key :

INSERT INTO FACTORY VALUES('NEW DELHI',25);

INSERT INTO FACTORY VALUES('DEF',30);

INSERT INTO FACTORY VALUES('KNFK',28);

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Step 3: Now create the table employee with the following attributes as well as it will contain a foreign key that will be from the table factory as well as it will form a relation with itself as per the diagram and will have a foreign as supervisor\_id:

CREATE TABLE EMPLOYEE( ID NUMBER(20) PRIMARY KEY, NAME VARCHAR(255),

POSITION VARCHAR(255), PAYRATE NUMBER(5),PAYTYPE VARCHAR(25),

CITY VARCHAR(100),

FOREIGN KEY (CITY) REFERENCES FACTORY(CITY),

SUPERVISOR\_ID NUMBER(20),

FOREIGN KEY (SUPERVISOR\_ID) REFERENCES EMPLOYEE(ID)

);

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Step 4: Now insert values in the table employee and make sure that the id and supervisor\_id are the same as well as the values in the city column in table factory should be the same in the table employee else it would give us an error.

INSERT INTO EMPLOYEE VALUES(123,'Deivangh Grover','HOD',34,'Salary','NEW DELHI',123);

INSERT INTO EMPLOYEE VALUES(456,'Aditya Samal','Supervisor',34,'Salary','NEW DELHI',456);

SELECT \* FROM EMPLOYEE;

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