Create table Employee(

E\_ID varchar(8) PRIMARY KEY,

E\_NM varchar(50),

Email\_id varchar(100));

Create table Job\_Title(

Job\_ID Serial PRIMARY KEY,

Job\_Tle varchar(100));

Create table Education(

Edu\_ID Serial PRIMARY KEY,

Edu\_Level varchar(50));

Create table Date(

DT\_ID Serial PRIMARY KEY,

DT date);

Create table Department(

Dept\_ID Serial PRIMARY KEY,

Department varchar(50));

Create table Salary(

Sal\_ID Serial PRIMARY KEY,

Sal INT);

Create table Location(

Loc\_ID Serial PRIMARY KEY,

Loc varchar(50));

Create table City(

City\_ID Serial PRIMARY KEY,

Cty varchar(50));

Create table State(

State\_ID Serial PRIMARY KEY,

St varchar(2));

Create table Full\_Address(

Addr\_ID Serial PRIMARY KEY,

Addr varchar(100),

Loc\_ID int references Location(Loc\_ID),

Cty\_ID int references City(City\_ID),

St\_ID INT references State(State\_ID));

Create Table HR\_Data(

ID Serial Primary Key,

E\_ID varchar(8) references Employee(E\_ID),

Hire\_DT\_ID INT references Date(DT\_ID),

Job\_ID INT references Job\_Title(Job\_ID),

Sal\_ID INT references Salary(Sal\_ID),

Dept\_ID int references Department(Dept\_ID),

Mang\_ID varchar(8) references Employee(E\_ID),

ST\_DT\_ID int references Date(DT\_ID),

End\_DT\_ID INT references Date(DT\_ID),

Addr\_ID int references Full\_Address(Addr\_ID),

Edu\_ID int references Education(Edu\_ID));

Insert into Employee

Select Distinct(EMP\_ID), EMP\_NM,Email FROM PROJ\_STG;

Insert into Job\_Title(Job\_Tle)

select distinct(Job\_Title) from PROJ\_STG;

Insert into Education(Edu\_Level)

select distinct(education\_lvl) from PROJ\_STG;

Insert into Date(DT)

Select Distinct(Hire\_DT) from (select Hire\_dt from Proj\_stg Union select Start\_dt from Proj\_stg Union select End\_dt from Proj\_stg where End\_dt is not null) AS TEMP ;

Insert into Department(Department)

Select Distinct(department\_nm) from Proj\_stg;

Insert into Salary(Sal)

Select Distinct(Salary) from Proj\_stg;

Insert into Location(Loc)

Select Distinct(Location) from Proj\_stg;

Insert into City(Cty)

Select Distinct(City) from Proj\_stg;

Insert into State(St)

Select Distinct(State) from Proj\_stg;

Insert into Full\_Address(Addr, Loc\_ID, Cty\_id,St\_ID)

SELECT distinct(loc.address),loc.Loc\_ID,loc.City\_ID,s.State\_id FROM (((Proj\_stg as stg join city as c on stg.city=c.cty) as cit join location as l on cit.location=l.loc) as loc join State as s on loc.state=s.st);

Insert into HR\_Data(E\_id,Hire\_DT\_ID,Job\_ID,Sal\_ID,Dept\_ID,Mang\_ID,ST\_DT\_ID,End\_DT\_ID,Addr\_ID,Edu\_ID)

Select emp\_id,Hire\_DT\_id,job\_id,sal\_id, dept\_ID, E\_ID,st\_dt\_id,end\_dt\_id,addr\_id,edu\_id from (((((((((proj\_stg as stg join (select dt\_id AS HIRE\_DT\_ID, dt from Date) as d on STG.Hire\_DT=D.DT) AS dt join Job\_Title as j on dt.job\_title=j.joB\_tle) as Job join Salary as S on Job.Salary=S.Sal) as Sal JOIN Department as de on sal.department\_NM=de.department) AS DEPT join education as edu on dept.education\_lvl=edu.edu\_level) as education join (select DT\_ID AS ST\_DT\_ID,DT FROM Date) as d1 ON education.START\_DT=d1.DT ) as ST\_DT left JOIN (SELECT DT\_ID AS END\_DT\_ID, DT FROM DATE) AS D2 ON ST\_DT.END\_DT=D2.DT)AS END\_DT JOIN Full\_Address as ad on end\_dt.address=ad.addr) as addr left join Employee as mang on addr.manager=mang.e\_nm);