create type Training\_t as object ( TrainingID char(6), Training Title varchar2(10), TrainingCategory char(4), TotalTrainingHour number,

order member function isTrainingFinished(t Traing\_t ) return integer);

/

create type TraningHistory\_t as object ( TrainingHistoryID char(8), EmployeeID char(8), TrainingHour number, TrainingScore number, toid as ref Training\_t, eoid ref Employee\_t

order member function isPassed ( th TrainingHistory\_t) return integer);

/

create type Employee\_t as object ( EmployeeID char(8), FirstN varchar2(10), LastN varchar2(10),DoB date, SIN char(9), Gender varchar2(5),

map member function getAge() return varchar2, member function getFullName () return varchar2;

/

create type Department\_t as object ( DepartmentID char(4), DepartmentName varchar2(10), coid ref Company);/

create JobHistory\_t as object ( JobHistoryID char(8), StartDate date, EndDate date, joid ref Job\_t, eoid ref Employee,

map member function getWorkMonth ( ) return varchar2);

/

create type Job\_t as object ( JobID char(6), JobTitle varchar2(10), Rank number , doid ref Department\_t,

order member function compareRank ( job job\_t) return integer,

member function calculateSalary( ) return number) NOT FINAL ;

/

create type Recruitment\_t as object ( RrecruitmentID char(8), ListDate date, ListDate date, ExpireDate Date, StartDate date, Status char(3), doid ref Department\_t, joid ref Job\_t,

member function isExpired( ) return number,

member function listedDays( ) return number);

/

create type Company\_t as object ( CompanyID char(6), CompanyName varchar2)

create type Compensation\_t as object ( CompensationID char(6), BaseSalary number, Bonus number,member function calculateCom return Number )

/

create type FTE\_t under Job\_t (comps Compensation\_t);

/

create type Contractor\_t under Job ( HourlyRate Number, overriding member function caculateSalary return Number);

/