CREATE TABLE JOB\_ANNOUNCEMENT(

AdvertisementId INT PRIMARY KEY,

JobHeader NVARCHAR2(65),

Text NVARCHAR2(50) NOT NULL,

Salary INT,

AnnouncementDate DATE NOT NULL,

DeadLine DATE NOT NULL,

WorkType NVARCHAR2(10) NOT NULL,

CreatorId INT NOT NULL,

CHECK (WorkType IN ('FULLTIME','PARTTIME','INTERN')));

CREATE TABLE ADS(

AdvertisementId INT PRIMARY KEY,

Text NVARCHAR2(50) NOT NULL,

Age NVARCHAR2(10) NOT NULL,

StartDate DATE NOT NULL,

EndDate DATE NOT NULL,

PaymentType NVARCHAR2(10) NOT NULL,

Price NUMBER(10,2) NOT NULL,

PayorSsn NVARCHAR2(20) NOT NULL,

CreatorId INT NOT NULL,

CHECK (Age IN ('YOUNG','ADULT')),

CHECK (PaymentType IN ('CREDITCARD','PAYPAL')));

CREATE TABLE ARTICLE(

ArticleId INT PRIMARY KEY,

HeadlineText NVARCHAR2(120),

Text NVARCHAR2(1000),

CoverPhoto NVARCHAR2(150),

PublishDate DATE,

UserId INT);

CREATE TABLE CREATOR\_PROFILE(

ProfileId INT PRIMARY KEY,

ProfilPhoto NVARCHAR2(150),

CoverPhoto NVARCHAR2(150),

ProfileType NVARCHAR2(20),

CreatorId INT,

CountryCode NVARCHAR2(3),

CityName NVARCHAR2(30),

CHECK(ProfileType IN('USER','COMPANY','GROUP')));

CREATE TABLE ACTION(

ActionId INT PRIMARY KEY,

ActionType NVARCHAR2(30) NOT NULL,

CreatorId INT NOT NULL,

DestinationId INT NOT NULL,

ActionDate DATE NOT NULL,

CHECK(ActionType IN ('VIEW','SEARCH','REPORT','MESSAGE','POST','FOLLOW','LIKE','COMMENT','JOIN','CONNECTION')));

CREATE TABLE POST(

ActionId INT PRIMARY KEY,

Text NVARCHAR2(300),

Privacy NVARCHAR2(20),

EffectedId INT,

ParentId INT,

CHECK(Privacy IN('MY CONNECTIONS','PUBLIC','ONLY MEMBERS')));

CREATE TABLE RECOMMENDATION(

FromUserId INT,

ToUserId INT,

Text NVARCHAR2(300),

RecomendationDate DATE

PRIMARY KEY(FromUserId,ToUserId));

CREATE TABLE COMMUNITY\_HAS\_CATEGORY(

CommunityId INT,

UserId INT,

CategoryName NVARCHAR2(50),

PRIMARY KEY(CommunityId,UserId,CategoryName));

CREATE TABLE JOB\_APPLY(

AdvertisementId INT,

UserId INT,

ResumeUrl NVARCHAR2(150),

PRIMARY KEY(AdvertisementId,UserId));

CREATE TABLE POST\_CONTAINS\_HASHTAG(

ActionId INT,

HashtagName NVARCHAR2(50),

PRIMARY KEY(ActionId,HashtagName));

CREATE TABLE COMMUNITY(

CommunityId INT ,

UserId INT ,

CommunityName NVARCHAR2(20) NOT NULL,

CommunityDesc NVARCHAR2(200),

CreatedDate DATE NOT NULL,

CommunityType NVARCHAR2(7) NOT NULL,

CreatorId INT,

CHECK (CommunityType IN ('COMPANY', 'GROUP')),

PRIMARY KEY (CommunityId,UserId));

CREATE TABLE COMPANY(

CommunityId INT,

UserId INT,

CompanySize NVARCHAR2(7),

CHECK (CompanySize IN ('1-10', '10-50','50-250','1000+','10000+','100000+')),

PRIMARY KEY (CommunityId,UserId));

CREATE TABLE LINKEDIN\_GROUP(

CommunityId INT,

UserId INT,

PRIMARY KEY (CommunityId,UserId));

CREATE TABLE PROFILE\_INFO(

ProfileInfoId INT,

ProfileId INT,

InfoName NVARCHAR2(70),

ProfileInfoType NVARCHAR2(15),

CHECK(ProfileInfoType IN('LANGUAGE','SCHOOL','EXPERIENCE','SKILL')),

PRIMARY KEY(ProfileInfoId,ProfileId));

CREATE TABLE PROFILE\_INFO\_LANGUAGE(

ProfileInfoId INT,

ProfileId INT,

LanguageLevel NVARCHAR2(2),

CHECK (LanguageLevel IN ('A1', 'A2', 'B1', 'B2', 'C1', 'C2')),

PRIMARY KEY(ProfileInfoId,ProfileId));

CREATE TABLE SCHOOL(

ProfileInfoId INT,

ProfileId INT,

Department NVARCHAR2(50),

Gpa NUMBER(1,2),

StartDate DATE,

GraduateDate DATE,

PRIMARY KEY(ProfileInfoId,ProfileId));

CREATE TABLE EXPERIENCE(

ProfileInfoId INT,

ProfileId INT,

JobPosition NVARCHAR2(50),

Text NVARCHAR2(250),

StartDate DATE,

EndDate DATE,

PRIMARY KEY(ProfileInfoId,ProfileId)

);

CREATE TABLE SKILL(

ProfileInfoId INT,

ProfileId INT,

PRIMARY KEY(ProfileInfoId,ProfileId));

CREATE TABLE MEDIA(

PostActionId INT,

MediaUrl NVARCHAR2(150),

DocumentFlag INT,

VideoFlag INT,

PhotoFlag INT,

PRIMARY KEY(PostActionId,MediaUrl));

CREATE TABLE ENDORSE(

SkillProfileId INT,

SkillInfoId INT,

UserId INT,

Rating NVARCHAR2(20),

CHECK(Rating IN('GOOD','VERY GOOD','EXCELLENT')));

CREATE TABLE USER\_PROFILE(

ProfileId INT PRIMARY KEY

);

CREATE TABLE COMPANY\_PROFILE(

ProfileId INT PRIMARY KEY,

Website NVARCHAR2(30) NOT NULL,

Email NVARCHAR2(20) NOT NULL,

Headquarter NVARCHAR2(20) NOT NULL

);

CREATE TABLE GROUP\_PROFILE(

ProfileId INT PRIMARY KEY,

GroupRules NVARCHAR2(20) NOT NULL

);

CREATE TABLE USER\_SETTINGS(

UserSettingsId INT PRIMARY KEY,

UserLanguage NVARCHAR2(20) NOT NULL,

TwoFactorAuthentication NUMBER(1,0) NOT NULL,

ConnectionPrivacy NVARCHAR2(20) NOT NULL,

ProfileVisibility NVARCHAR2(20) NOT NULL,

CreatorId INT NOT NULL,

CHECK (UserLanguage IN ('ENGLISH','TURKISH','GERMAN','SPANISH','RUSSIAN')),

CHECK (ConnectionPrivacy IN ('PUBLIC','ONLY MEMBERS','MY CONNECTIONS')),

CHECK (ProfileVisibility IN ('PUBLIC','ONLY MEMBERS','MY CONNECTIONS')));

CREATE TABLE COMPANY\_SETTINGS(

CompanySettingsId INT PRIMARY KEY,

CreatorId INT NOT NULL

);

CREATE TABLE GROUP\_SETTINGS(

GroupSettingsId INT PRIMARY KEY,

Visibility NVARCHAR2(20) NOT NULL,

CreatorId INT NOT NULL,

CHECK (Visibility IN ('PUBLIC','ONLY MEMBERS','MY CONNECTIONS'))

);

CREATE TABLE COMMUNITY\_ROLE(

UserId INT NOT NULL,

CommunityId INT NOT NULL,

RoleType NVARCHAR2(20) NOT NULL,

OwnerId INT NOT NULL,

CHECK (RoleType IN ('ADMIN','MODERATOR','EDITOR')),

CONSTRAINT CommunityRole\_PK PRIMARY KEY (UserId,CommunityId)

);

CREATE TABLE CREATOR\_NOTIFICATION(

CreatorId INT NOT NULL,

ActionId INT NOT NULL,

NotificationContent NVARCHAR2(50) NOT NULL,

NotificiationDate DATE,

CONSTRAINT Notification\_PK PRIMARY KEY (CreatorId,ActionId)

);

CREATE TABLE BOOKMARK(

UserId INT NOT NULL,

AdvertisementId INT NOT NULL,

SavedDate DATE NOT NULL,

CONSTRAINT Bookmark\_PK PRIMARY KEY (UserId,AdvertisementId)

);

CREATE TABLE EFFECTED(

EffectedId INT PRIMARY KEY

);

CREATE TABLE CONNECTION(

ActionId INT PRIMARY KEY,

Status NVARCHAR2(20) NOT NULL,

CHECK (Status IN ('PENDING','ACCEPTED','IGNORED'))

);

CREATE TABLE GROUP\_JOIN(

ActionId INT PRIMARY KEY

);

CREATE TABLE ACTION\_VIEW(

ActionId INT PRIMARY KEY

);

CREATE TABLE ACTION\_SEARCH(

ActionId INT PRIMARY KEY,

SearchText NVARCHAR2(200) NOT NULL

);

CREATE TABLE CREATOR\_LIKE(

ActionId INT PRIMARY KEY

);

CREATE TABLE FOLLOW(

ActionId INT PRIMARY KEY

);

CREATE TABLE MESSAGE(

ActionId INT PRIMARY KEY,

Text NVARCHAR2(200) NOT NULL

);

CREATE TABLE USER\_REPORT(

ActionId INT PRIMARY KEY,

Reason NVARCHAR2(50) NOT NULL,

ReportContent NVARCHAR2(200)

);

CREATE TABLE CITY(

CountryCode NVARCHAR2(5),

CityName NVARCHAR2(30) NOT NULL,

CONSTRAINT City\_PK PRIMARY KEY (CountryCode,CityName)

);

CREATE TABLE COUNTRY(

Code NVARCHAR2(5) PRIMARY KEY,

CountryName NVARCHAR2(50) NOT NULL

);

CREATE TABLE COMMUNITY\_CATEGORY(

CategoryName NVARCHAR2(50) PRIMARY KEY,

CategoryDescription NVARCHAR2(100) NOT NULL

);

CREATE TABLE CREATOR\_COMMENT(

ActionId INT PRIMARY KEY,

CommentContent NVARCHAR2(200) NOT NULL,

EffectedId INT NOT NULL

);

CREATE TABLE CREATOR(

CreatorId INT ,

EffectedId INT ,

PRIMARY KEY(CreatorId)

);

CREATE TABLE HASHTAG(

HashtagName NVARCHAR2(30) NOT NULL,

PRIMARY KEY(HashtagName)

);

CREATE TABLE LINKEDIN\_USER(

UserId INT ,

Fname NVARCHAR2(50) NOT NULL ,

Mname NVARCHAR2(50) ,

Lname NVARCHAR2(50) NOT NULL ,

Birthday DATE NOT NULL,

Phone NVARCHAR2(13),

Email NVARCHAR2(50) NOT NULL,

UserPassword NVARCHAR2(20) NOT NULL,

AccountType NVARCHAR2(20) NOT NULL,

CreatorId INT,

CHECK (AccountType IN ('FREE', 'PREMIUM')),

PRIMARY KEY (UserId)

);