Create and Insert Statements

CREATE TABLE admin\_profile

(

email\_id varchar2(50 char) NOT NULL,

hire\_date date,

department varchar2(50 char),

salary number,

PRIMARY KEY (email\_id)

);

CREATE TABLE community

(

community\_id number NOT NULL,

email\_id varchar2(50 char) NOT NULL,

community\_name varchar2(50 char),

community\_description varchar2(2000 char),

creation\_time timestamp,

PRIMARY KEY (community\_id)

);

CREATE TABLE current\_time

(

new\_time timestamp NOT NULL,

PRIMARY KEY (new\_time)

);

CREATE TABLE first\_degree\_connection

(

connection\_id number NOT NULL,

connection\_email\_id varchar2(50 char) NOT NULL,

member\_email\_id varchar2(50 char) NOT NULL,

connection\_time timestamp,

PRIMARY KEY (connection\_id),

UNIQUE (connection\_email\_id, member\_email\_id),

FOREIGN KEY (connection\_email\_id) REFERENCES

members\_profile(email\_id),

FOREIGN KEY (member\_email\_id) REFERENCES

members\_profile(email\_id),

CONSTRAINT member\_connection\_unique UNIQUE (member\_email\_id,

connection\_email\_id)

);

CREATE TABLE members\_contact\_info

(

member\_info\_id number NOT NULL,

phone number(10,0),

facebook\_url varchar2(50 char),

twitter\_url varchar2(50 char),

email\_id varchar2(50 char) NOT NULL UNIQUE,

PRIMARY KEY (member\_info\_id)

);

CREATE TABLE members\_education

(

members\_education\_id number NOT NULL,

university varchar2(100 char),

majors varchar2(50 char),

qualification varchar2(50 char),

degree\_start\_date date,

degree\_end\_date date,

email\_id varchar2(50 char) NOT NULL,

PRIMARY KEY (members\_education\_id)

);

CREATE TABLE members\_email

(

member\_email\_id varchar2(80 char) NOT NULL,

secondary\_email\_id varchar2(100) NOT NULL,

member\_info\_id number NOT NULL,

PRIMARY KEY (member\_email\_id, secondary\_email\_id)

);

CREATE TABLE members\_group

(

member\_group\_id number NOT NULL,

community\_id number NOT NULL,

email\_id varchar2(50 char) NOT NULL,

PRIMARY KEY (member\_group\_id)

);

CREATE TABLE members\_profile

(

email\_id varchar2(50 char) NOT NULL,

status varchar2(8 char),

summary varchar2(1000 char),

PRIMARY KEY (email\_id)

);

CREATE TABLE members\_skills

(

member\_skills\_id number NOT NULL,

skill\_name varchar2(50 char) NOT NULL,

email\_id varchar2(50 char) NOT NULL,

PRIMARY KEY (member\_skills\_id)

);

CREATE TABLE members\_website

(

member\_website\_id number NOT NULL,

website varchar2(50 char),

member\_info\_id number NOT NULL,

PRIMARY KEY (member\_website\_id)

);

CREATE TABLE members\_work\_exp

(

member\_work\_exp\_id number NOT NULL,

organization\_name varchar2(50 char),

job\_position varchar2(50 char),

job\_start\_date date,

job\_end\_date date,

job\_description varchar2(2000 char),

email\_id varchar2(50 char) NOT NULL,

PRIMARY KEY (member\_work\_exp\_id)

);

CREATE TABLE recommendations

(

member\_reccomedation\_id number NOT NULL,

recommenders\_email\_id varchar2(50 char) NOT NULL,

receivers\_email\_id varchar2(50 char) NOT NULL,

recommedation\_desc varchar2(2000 char),

creation\_date date,

expiry\_date date,

recommendation\_status varchar2(8),

PRIMARY KEY (member\_reccomedation\_id),

FOREIGN KEY (recommenders\_email\_id, receivers\_email\_id)

REFERENCES first\_degree\_connection (member\_email\_id,

connection\_email\_id)

);

CREATE TABLE skills

(

skill\_name varchar2(50 char) NOT NULL,

PRIMARY KEY (skill\_name)

);

CREATE TABLE skills\_endorsement

(

skill\_endorsement\_id number NOT NULL,

skill\_name varchar2(50 char) NOT NULL,

email\_id varchar2(50 char) NOT NULL UNIQUE,

endorsee\_email\_id varchar2(50 char) NOT NULL UNIQUE,

PRIMARY KEY (skill\_endorsement\_id),

UNIQUE (email\_id, endorsee\_email\_id),

UNIQUE (skill\_name, email\_id, endorsee\_email\_id)

);

CREATE TABLE users\_profile

(

email\_id varchar2(50 char) NOT NULL,

password varchar2(50 char),

type varchar2(6 char),

name varchar2(50 char) NOT NULL,

city varchar2(30 char),

country varchar2(30 char),

creation\_time timestamp,

last\_login timestamp,

PRIMARY KEY (email\_id)

);

Create Foreign Keys for tables created:

ALTER TABLE members\_group

ADD FOREIGN KEY (community\_id)

REFERENCES community (community\_id)

;

ALTER TABLE members\_email

ADD FOREIGN KEY (member\_info\_id)

REFERENCES members\_contact\_info (member\_info\_id)

;

ALTER TABLE members\_website

ADD FOREIGN KEY (member\_info\_id)

REFERENCES members\_contact\_info (member\_info\_id)

;

ALTER TABLE community

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_contact\_info

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_education

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_group

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_skills

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_work\_exp

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE skills\_endorsement

ADD FOREIGN KEY (endorsee\_email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE skills\_endorsement

ADD FOREIGN KEY (email\_id)

REFERENCES members\_profile (email\_id)

;

ALTER TABLE members\_skills

ADD FOREIGN KEY (skill\_name)

REFERENCES skills (skill\_name)

;

ALTER TABLE skills\_endorsement

ADD FOREIGN KEY (skill\_name)

REFERENCES skills (skill\_name)

;

ALTER TABLE admin\_profile

ADD FOREIGN KEY (email\_id)

REFERENCES users\_profile (email\_id)

;

ALTER TABLE members\_profile

ADD FOREIGN KEY (email\_id)

REFERENCES users\_profile (email\_id)

;

Insert Statements:

insert into recommendations values (1,'pranay@mylinkedin.com','priyanka@mylinkedin.com','Diligent and Hardworking','04-OCT-15','04-OCT-17');

insert into recommendations values (2,'priyanka@mylinkedin.com','megha@mylinkedin.com','confident and reliable','05-SEP-15','05-SEP-17');

insert into recommendations values (3,'megha@mylinkedin.com','pranay@mylinkedin.com','smart and talented','10-OCT-15','10-OCT-17');

insert into recommendations values (4,'ashwini@mylinkedin.com','hiren@mylinkedin.com','trustworthy','15-AUG-15','15-AUG-17');

insert into recommendations values (5,'hiren@mylinkedin.com','ashwini@mylinkedin.com','punctual','01-JAN-15','01-JAN-17');

insert into members\_skills values (01, 'C', 'ashwini@mylinkedin.com');

insert into members\_skills values (02, 'java', 'ashwini@mylinkedin.com');

insert into members\_skills values (03, 'java', 'hiren@mylinkedin.com');

insert into members\_skills values (04, 'COBOL', 'megha@mylinkedin.com');

insert into members\_skills values (05, 'PL/SQL', 'priyanka@mylinkedin.com');

insert into members\_skills values (02, 'java', 'ashwini@mylinkedin.com');

insert into members\_skills values (01, 'C', 'ashwini@mylinkedin.com');

insert into members\_skills values (02, 'java', 'ashwini@mylinkedin.com');

insert into members\_skills values (03, 'java', 'hiren@mylinkedin.com');

insert into members\_skills values (04, 'COBOL', 'megha@mylinkedin.com');

insert into members\_skills values (05, 'PL/SQL', 'priyanka@mylinkedin.com');

insert into members\_skills values (02, 'java', 'ashwini@mylinkedin.com');

insert into skills values ('java');

insert into skills values ('C');

insert into skills values ('PL/SQL');

insert into skills values ('COBOL');

insert into skills values ('xml');

insert into community values

(01,'ashwini@mylinkedin.com', 'UMBC Alumni', 'To connect all UMBC Alumni worldwide', '04-OCT-15 09.41.40.000000000 AM' );

insert into community values

(02,'hiren@mylinkedin.com', 'Oracle PL/SQL Developers', 'Group for Oracle Certified PL/SQL Developer Associates', '24-FEB-14 09.41.40.000000000 AM' );

insert into community values

(03,'priyanka@mylinkedin.com', 'IT Professionals', 'Group of IT Professionals', '26-SEP-14 10.47.40.000000000 AM' );

insert into community values

(04,'megha@mylinkedin.com', 'Java Programmers', 'Group of Java Programmers', '26-SEP-14 10.47.40.000000000 PM' );

insert into community values

(05,'pranay@mylinkedin.com' , 'HealthCare IT Professionals', 'Group of HealthCare IT Professionals', '26-SEP-14 10.47.40.000000000 PM');

insert into members\_website values (1,'ashwini@s.com',1);

insert into members\_website values (2,'hiren@s.com',3);

insert into members\_website values (3,'h@shah.com',3);

insert into members\_website values (4,'a@shanbhag.com',1);

insert into members\_website values (5,'megha@r.com',5);

insert into members\_website values (6,'priyanka@k.com',2);

insert into members\_website values (7,'pranay@y.com',4);

insert into members\_work\_exp values (1,'Microsoft','Software Engineer','02-MAY-12','02-MAY-13','Testing and Managing project','ashwini@mylinkedin.com');

insert into members\_work\_exp values (2,'Facebook','Product Engineer','20-JUN-14','02-DEC-14','Managing project','priyanka@mylinkedin.com');

insert into members\_work\_exp values (3,'IBM','System Engineer','15-JAN-10','02-DEC-15','system analyzing and modifying project','pranay@mylinkedin.com');

insert into members\_work\_exp values (4,'Google','Data analyst','10-DEC-13','02-APR-14','project manager','hiren@mylinkedin.com');

insert into members\_work\_exp values (5,'Accenture','Database Admin','06-AUG-15','02-SEP-15','Testing project','megha@mylinkedin.com');

insert into members\_education values

(01, 'ASU', 'IS','BSIT','08-AUG-14','07-MAY-16','ashwini@mylinkedin.com');

insert into members\_education values

(02, 'ASU', 'IS','BSCS','16-AUG-15','07-MAY-17', 'hiren@mylinkedin.com');

insert into members\_education values

(03, 'UCLA', 'IS','BSIT','16-AUG-15','07-MAY-17', 'megha@mylinkedin.com');

insert into members\_education values

(04, 'NEU', 'CS','BSIT','22-AUG-14','17-MAY-16', 'priyanka@mylinkedin.com');

insert into members\_education values

(05, 'UPENN', 'IS','BSIT','28-AUG-14','14-MAY-16', 'pranay@mylinkedin.com');

Insert into members\_email Values

( 'ashwini@mylinkedin.com', 'ashwini@facebook.com', 01);

Insert into members\_email Values

( 'hiren@mylinkedin.com', 'hiren@google.com', 02);

Insert into members\_email Values

( 'ashwini@mylinkedin.com', 'ashwini@gmail.com', 01);

Insert into members\_email Values

( 'priyanka@mylinkedin.com', 'priyanka@umbc.com', 04);

Insert into members\_email Values

( 'hiren@mylinkedin.com', 'hiren@umbc.com', 02);

insert into members\_contact\_info values

(01, 3454897685, 'ashwini@facebook.com', 'ashwini@twitter.com', 'ashwini@mylinkedin.com');

insert into members\_contact\_info values

(02, 3654757684, 'priyanka@facebook.com', 'priyanka@twitter.com', 'priyanka@mylinkedin.com');

insert into members\_contact\_info values

(03, 5087896547, 'hiren@facebook.com', 'hiren@twitter.com', 'hiren@mylinkedin.com');

insert into members\_contact\_info values

(04, 5087896540, 'pranay@facebook.com', 'pranay@twitter.com', 'pranay@mylinkedin.com');

insert into members\_contact\_info values

(05, 5087896547, 'megha@facebook.com', 'megha@twitter.com', 'megha@mylinkedin.com');

Insert into members\_profile Values

( 'hiren@mylinkedin.com', 'Active', ' I have gained extensive knowledge about the functionality, business processes, different phases of SDLC');

Insert into members\_profile Values

('megha@mylinkedin.com', 'Active', 'I have 5.4 years of IT experience in Testing, delivering of software using wide variety of technologies');

Insert into members\_profile Values

('priyanka@mylinkedin.com', 'Active', 'I specialise in database management systems, data mining, software engineering, project management and systems engineering');

Insert into members\_profile Values

('pranay@mylinkedin.com', 'Active', 'I am looking for opportunities in the field of business intelligence, technology consulting and business/data analysis');

Insert into members\_profile Values

('ashwini@mylinkedin.com' , ' Active', 'Highly driven, entrepreneurial and results oriented business professional ');

Insert Into admin\_profile values

( 'admin5@mylinkedin.com', '14-FEB-15', 'Sales', 95000);

Insert Into admin\_profile values

( 'admin1@mylinkedin.com', '04-OCT-15', 'IT', 70000);

Insert Into admin\_profile values

( 'admin2@mylinkedin.com', '04-SEP-15', 'Finance', 60000);

Insert Into admin\_profile values

( 'admin3@mylinkedin.com', '03-JAN-15', 'HR', 50000);

Insert Into admin\_profile values

( 'admin4@mylinkedin.com', '13-SEP-15', 'Marketing', 85000);

Insert Into admin\_profile values

( 05, 'admin5@mylinkedin.com', '14-FEB-15', 'Sales', 95000);

INSERT INTO users\_profile VALUES

( 'admin1@mylinkedin.com', 'admin1', 'A', 'admin1', 'Baltimore', 'USA', '04-OCT-15 09.41.40.00', '05-OCT-15 09.41.40.00' );

INSERT INTO users\_profile VALUES

( 'admin2@mylinkedin.com', 'admin2', 'A', 'admin2', 'Washington DC', 'USA', '04-SEP-15 09.20.40.00', '05-SEP-15 08.41.40.00' );

INSERT INTO users\_profile VALUES

( 'admin3@mylinkedin.com', 'admin3', 'A', 'admin3', 'Seattle', 'USA', '04-APR-15 08.21.40.00', '05-OCT-15 07.31.20.00' );

INSERT INTO users\_profile VALUES

( 'admin4@mylinkedin.com', 'admin4', 'A', 'admin4', 'Bangalore', 'India', '03-FEB-15 07.21.20.00', '04-OCT-15 08.31.40.00' );

INSERT INTO users\_profile VALUES

( 'admin5@mylinkedin.com', 'admin5', 'A', 'admin5', 'Houston', 'USA', '07-Jan-15 3.41.40.00', '04-OCT-15 04.41.50.00' );

INSERT INTO users\_profile VALUES

( 'ashwini@mylinkedin.com', 'ashwini', 'M', 'ashwini', 'Seattle', 'USA', '04-AUG-15 02.51.40.00', '03-SEP-15 03.41.50.00' );

INSERT INTO users\_profile VALUES

( 'hiren@mylinkedin.com', 'hiren', 'M', 'hiren', 'Baltimore', 'USA', '04-Jan-15 04.31.50.00', '03-Oct-15 02.21.59.00' );

INSERT INTO users\_profile VALUES

( 'megha@mylinkedin.com', 'megha', 'M', 'megha', 'New Jersey', 'USA', '15-MAR-13 09.50.40.00', '03-SEP-15 02.41.50.00' );

INSERT INTO users\_profile VALUES

( 'priyanka@mylinkedin.com', 'priyanka', 'M', 'priyanka', 'Atlanta', 'USA', '02-AUG-14 02.51.50.00', '03-SEP-15 03.40.40.00' );

INSERT INTO users\_profile VALUES

( 'pranay@mylinkedin.com', 'pranay', 'M', 'pranay', 'New York', 'USA', '04-Nov-14 02.50.50.00', '03-Oct-15 06.41.50.00' );

Insert into first\_degree\_connection values

(1, 'ashwini@mylinkedin.com', 'hiren@mylinkedin.com','04-OCT-15 09.41.40.00');

insert into first\_degree\_connection values

(2,'priyanka@mylinkedin.com','pranay@mylinkedin.com','05-OCT-15 09.41.40.00');

insert into first\_degree\_connection values

(3,'hiren@mylinkedin.com','megha@mylinkedin.com','08-OCT-15 08.32.33.00');

insert into first\_degree\_connection values

(4,'megha@mylinkedin.com','ashwini@mylinkedin.com','09-OCT-15 06.40.42.00');

insert into first\_degree\_connection values

(5,'pranay@mylinkedin.com','priyanka@mylinkedin.com','04-OCT-15 09.41.40.00');

Insert into skills\_endorsement values

(1, ‘java’, ‘hiren@mylinkedin.com’, ‘ashwini@mylinkedin.com’);

(2, ‘pl/sql’, ‘pranay@mylinkedin.com’, ‘priyanka@mylinkedin.com’);

(3, ‘PL/SQL’, ‘hiren@mylinkedin.com’, ‘ashwini@mylinkedin.com’);

(4, ‘PL/SQL’, ‘harry@amazon.com’, ‘ashwini@mylinkedin.**com’**);

(5, ‘C’, ‘harry@amazon.com’, ‘ashwini@mylinkedin.com’);

create sequence mem\_skill\_id\_seq start with 1; --sequence for member\_skills

Create sequence expid start with 1; -- sequence for members\_work\_exp\_id

create sequence mem\_reco\_id start with 1;--sequence for recommendation

Create sequence id\_seq start with 1;--sequence for New\_connection(first degree connection)

CREATE SEQUENCE SKL\_ENDO\_ID\_SEQ strt with 1; --sequence for skills\_endorsements