

Database Design CS 6360

Project Final Report

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Project Description

Design, develop, and test a graduate school database. The project consists of four parts: conceptual database design (Phase I), logical database design (Phase II), Oracle relational database implementation (Phase III), and final report & demo (Phase IV).

1. The graduate school contains several departments. Each department has following properties: full name, abbreviation, web site address.
2. Each department owns one or more buildings. Each building has a full name and abbreviation.
3. Each building contains some rooms, each of which has a room number (integer ranging from 1000 to 9999). There are three kinds of rooms, i.e. classroom, office, and lab. In addition to room number, each classroom has a capacity and a computer password, and each lab has a name.
4. Many people are in the graduate school. Each person has the following properties: net ID, name (first name, middle initial, last name), date of birth, phone number (10 digit integer), email address, home address (street address, city, state, zip code). There are two kinds of people: employee and student.
5. Each employee has a SSN and salary. Each employee must be hired by a department. An employee must be one of the following kinds: professor, lecturer, teaching assistant (TA), or research assistant (RA).
6. Professors, lecturers, and TA's are assigned an office each, and have office hours. Several TA's may share the same office. Each professor has a rank: assistant professor, associate professor, or full professor. Professors may or may not run labs. A professor can run several labs, while a lab may be run by several professors together. A professor may or may not advise one or more students. A student may be co-advised by two professors. Each department has a department head who must be a professor.
7. A TA/RA must also be a student. A student may be both TA and RA simultaneously. Each RA works for a professor in a lab and is assigned a workload (e.g. 20 hours per week).
8. Several courses are provided by each department. Each course has properties including name, course number (1000 - 9999), credit hour (1-6), and required text book. A course may have no text book or multiple text books. Each course has one or more sections, each of which has semester, year, section number (0-999), class time, capacity, classroom, and an instructor who's either a professor or a lecturer. Each section also has one or more TA, with workload assigned. A TA may work for several course sections with different workloads.
9. Each department may have several tracks, each of which has a name. Each student must be enrolled in one and only one track. Each track has four or more core courses.
10. A student may be taking a course section. A student may also have finished a course section, with a grade assigned (decimal number from 0.00 to 4.00). A student may

have one or more prerequisite courses. The prerequisite courses should be recorded for even if the student fulfilled it later.

Project Questions

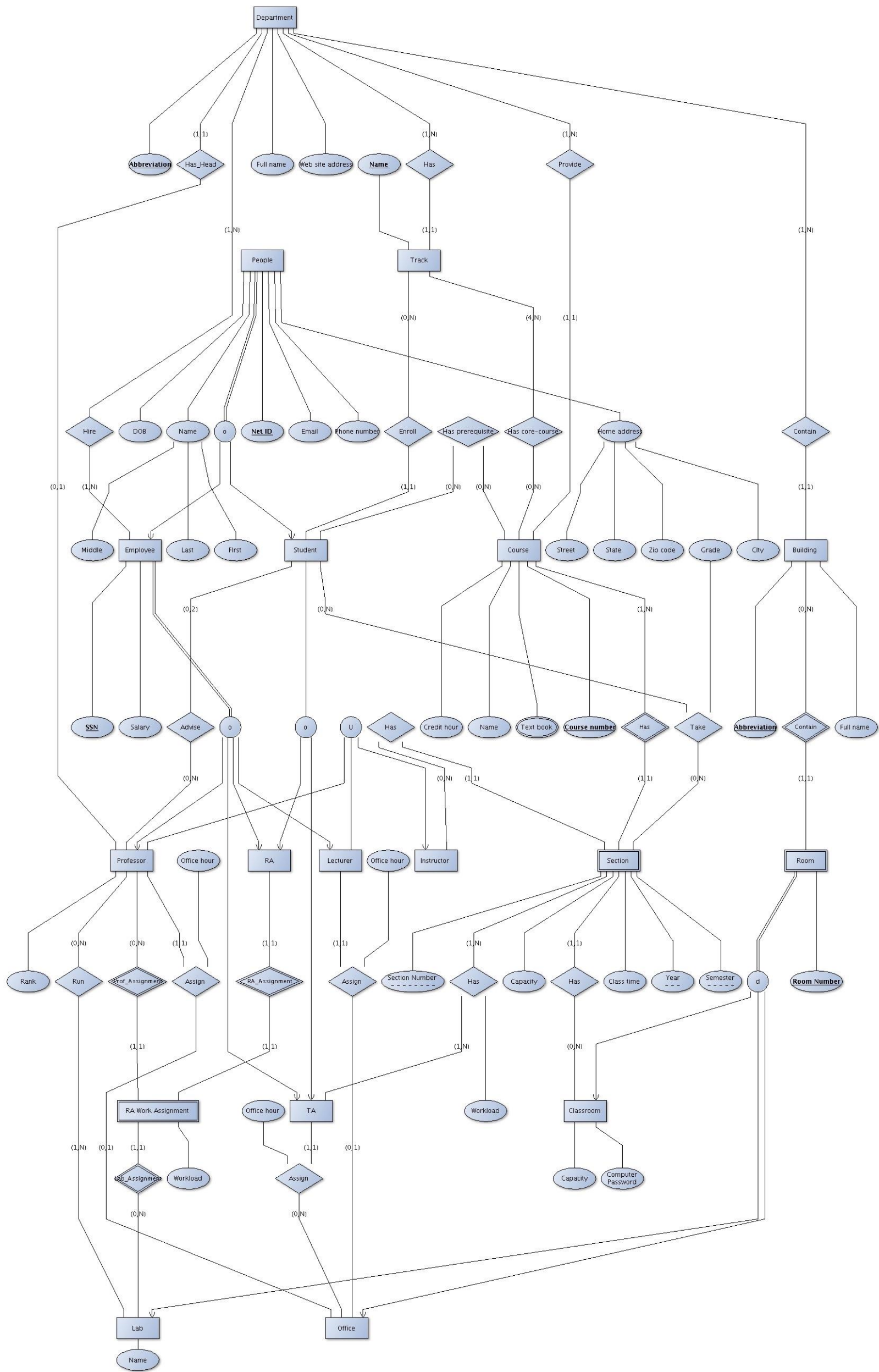
- a. Can you think 5 more rules (other than the one explicitly described above) that are likely to be used in the system?
 - 1) Each lab has its research direction, and a limited capacity of RA.
 - 2) Each RA has his research area, and amount of publications.
 - 3) Each Section should have some homework and projects.
 - 4) Each student should pay tuition for sections for each semester based on the number of sections he (she) takes.
 - 5) Full professor may have a secretary and each secretary should have an office.
- b. Is the ability to model super-class/subclass relationships likely to be important in such environment? Why or why not?

Yes, it is very important to use super-class/subclass relationships for this project. Super-class/subclass relationships help us simplify our entity relation diagram. Our project model contains a great amount of entities that could fit in super-class/subclass relationship. For example, there are 8 tables about people. If we don't use the concept of super-class/subclass, there will be lots of redundant relation type in the ER diagram. By using simplified diagram, we can map EER model to relation schema in an easy manner.

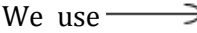

- c. Justify using a Relational DBMS like Oracle for this project.

Relational DBMS manages a collection of related table, each of which could be represented as an entity or relation by the concept of OO (Object Oriented). In this project, the sense of entities and relations are strong and clear. It is suitable to model this project to a relational model, which could be managed by Relational DBMS. Furthermore, non-relational DBMS mainly use key-value, graph, or document to store data. Based on this characteristic of non-relational DBMS, they are not suitable for modeling OO based entities and relations.

EER Diagram with Assumptions



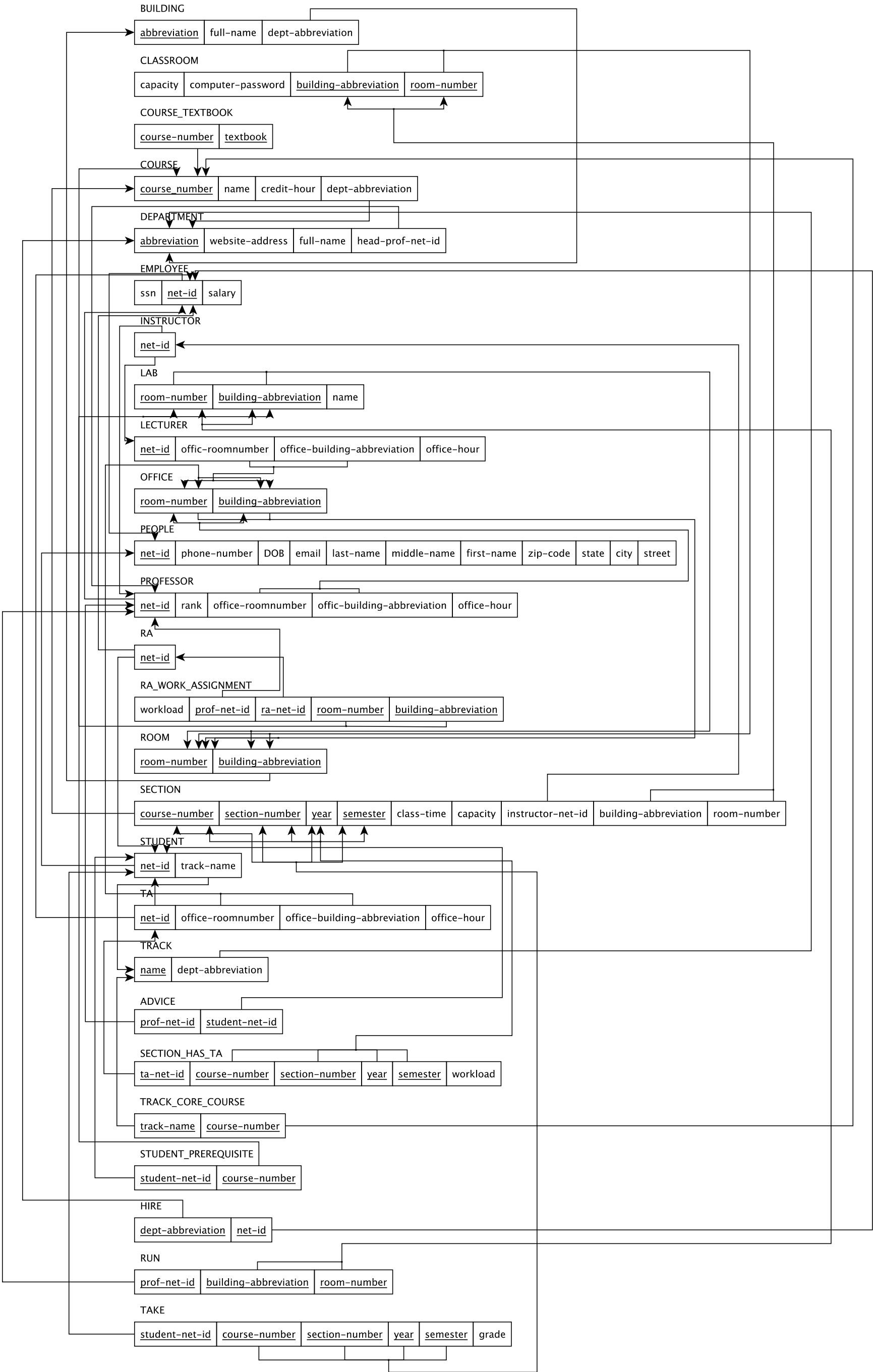
EER Notation Clarification

We use  to instead  notation in EER diagram. We put participation role into relationship type name since our EER editor tool cannot make graph clearer if we keep them on line. Other notations are remain same with EER diagram notations.

EER Assumptions

- 1) One Graduate School must have one department.
- 2) Abbreviation of department is key attribute for department.
- 3) One Building can only belongs to one Department.
- 4) Abbreviation of building is key attribute for building.
- 5) One room must belongs to only one building.
- 6) Room Number attribute of room is key.
- 7) People can only and must belongs to one graduate school.
- 8) Net Id of people is key.
- 9) SSN of employee is key.
- 10) Each Department at least hires one employee.
- 11) Student at least is advised by one professor.
- 12) Professor could be head of only one department.
- 13) Not every student is a RA or TA.
- 14) Each Department at least provides one course.
- 15) Each course can be only provided from one department.
- 16) Section Number is partial key.
- 17) TA at least works for one section.
- 18) Department has at least one track.
- 19) Each Track must belong to only one department.
- 20) Name of track is key.
- 21) Graduate School has key attribute school id.

Relation Schema



SQL Statement

In order to run SQL statement, you need to create a empty Oracle database and execute our SQL statements under the empty Oracle database.

Create Table

```
/**
 * Database Project Phase III C Database Creation
 */
/**
 * PEOPLE(net_id ,phone_number, DOB, email, last_name, middle_name, first_name,
zip_code, state, city, street)
 */
CREATE TABLE PEOPLE
(
    net_id VARCHAR(24) NOT NULL,
    phone_number INTEGER NOT NULL,
    DOB DATE NOT NULL,
    email VARCHAR(128),
    last_name VARCHAR(32) NOT NULL,
    middle_name VARCHAR(32),
    first_name VARCHAR(32) NOT NULL,
    zip_code INTEGER NOT NULL,
    state VARCHAR(24) NOT NULL,
    city VARCHAR(24) NOT NULL,
    street VARCHAR(128) NOT NULL,
    CONSTRAINT pk_people PRIMARY KEY (net_id),
    CONSTRAINT chk_people_phonenumber CHECK (phone_number>=1000000000
AND phone_number<=9999999999),
    CONSTRAINT chk_people_zipcode CHECK (zip_code>=10000 AND
zip_code<=99999)
);

/**
 * STUDENT(net_id , track_name)
 */
CREATE TABLE STUDENT
(
    net_id VARCHAR(24) NOT NULL,
    track_name VARCHAR(64) NOT NULL,
    CONSTRAINT pk_student PRIMARY KEY (net_id),
    CONSTRAINT fk_student_1 FOREIGN KEY (net_id) REFERENCES PEOPLE(net_id)/*,
    CONSTRAINT fk_student_2 FOREIGN KEY (track_name) REFERENCES TRACK(name)
This Constraint will add later on*/
);

/**
 * EMPLOYEE (ssn, net_id, salary)
 */
CREATE TABLE EMPLOYEE
```



```
(
    ssn INTEGER NOT NULL,
    net_id VARCHAR(24) NOT NULL,
    salary DECIMAL(18,2) NOT NULL,
    CONSTRAINT pk_employee PRIMARY KEY (net_id),
    CONSTRAINT fk_employee FOREIGN KEY (net_id) REFERENCES PEOPLE(net_id)
);

/**
 * RA(net_id)
 */
CREATE TABLE RA
(
    net_id VARCHAR(24) NOT NULL,
    CONSTRAINT pk_ra PRIMARY KEY (net_id),
    CONSTRAINT fk_ra_1 FOREIGN KEY (net_id) REFERENCES STUDENT (net_id),
    CONSTRAINT fk_ra_2 FOREIGN KEY (net_id) REFERENCES EMPLOYEE (net_id)
);

/**
 * DEPARTMENT (abbreviation, website_address, full_name, head_prof_net_id)
 */
CREATE TABLE DEPARTMENT
(
    abbreviation VARCHAR(10) NOT NULL,
    website_address VARCHAR(255),
    full_name VARCHAR(128) NOT NULL,
    head_prof_net_id VARCHAR(24) NOT NULL,
    CONSTRAINT pk_department PRIMARY KEY (abbreviation)/*,
    CONSTRAINT fk_department FOREIGN KEY (head_prof_net_id) REFERENCES
PROFESSOR(net_id)      This constaint will added later*/
);

/**
 * BUILDING (abbreviation, full_name, dept_abbreviation)
 */
CREATE TABLE BUILDING
(
    abbreviation VARCHAR(10) NOT NULL,
    full_name VARCHAR(32) NOT NULL,
    dept_abbreviation VARCHAR(10) NOT NULL,
    CONSTRAINT pk_building PRIMARY KEY (abbreviation),
    CONSTRAINT fk_building FOREIGN KEY (dept_abbreviation) REFERENCES
DEPARTMENT(abbreviation)
);

/**
 * ROOM(room_number, building_abbreviation)
 */
CREATE TABLE ROOM
```

```
(
    room_number INTEGER NOT NULL,
    building_abbreviation VARCHAR(10),
    CONSTRAINT pk_room PRIMARY KEY (room_number, building_abbreviation),
    CONSTRAINT chk_room_roomnumber CHECK (room_number >= 1000 AND
room_number <= 9999),
    CONSTRAINT fk_room FOREIGN KEY (building_abbreviation) REFERENCES
BUILDING(abbreviation)
);

/**
 * LAB (room_number, building_abbreviation, name)
 */
CREATE TABLE LAB
(
    room_number INTEGER NOT NULL,
    building_abbreviation VARCHAR(10) NOT NULL,
    name VARCHAR(64) NOT NULL,
    CONSTRAINT pk_lab PRIMARY KEY (room_number, building_abbreviation),
    CONSTRAINT chk_lab_roomnumber CHECK (room_number >= 1000 AND
room_number <= 9999),
    CONSTRAINT fk_lab FOREIGN KEY (room_number, building_abbreviation)
REFERENCES ROOM (room_number, building_abbreviation)
);

/**
 * CLASSROOM (building_abbreviation, room_number, capacity, computer_password)
 */
CREATE TABLE CLASSROOM
(
    building_abbreviation VARCHAR(10) NOT NULL,
    room_number INTEGER NOT NULL,
    capacity INTEGER NOT NULL,
    computer_password VARCHAR(64),
    CONSTRAINT pk_classroom PRIMARY KEY (building_abbreviation, room_number),
    CONSTRAINT chk_classroom_roomnumber CHECK (room_number >= 1000 AND
room_number <= 9999),
    CONSTRAINT fk_classroom FOREIGN KEY (building_abbreviation, room_number)
REFERENCES ROOM (building_abbreviation, room_number)
);

/**
 * OFFICE (room_number, building_abbreviation)
 */
CREATE TABLE OFFICE
(
    room_number INTEGER NOT NULL,
    building_abbreviation VARCHAR(10) NOT NULL,
    CONSTRAINT pk_office PRIMARY KEY (room_number, building_abbreviation),
```

```
CONSTRAINT chk_office_roomnumber CHECK(room_number>=1000 AND
room_number<=9999),
CONSTRAINT fk_office FOREIGN KEY (room_number,building_abbreviation)
REFERENCES ROOM(room_number,building_abbreviation)
);

/**
 * TA(net_id , office_roomnumber , office_building_abbreviation, office_hour)
 */
CREATE TABLE TA
(
    net_id VARCHAR(24) NOT NULL,
    office_roomnumber INTEGER NOT NULL,
    office_building_abbreviation VARCHAR(10) NOT NULL,
    office_hour DECIMAL(5,2) NOT NULL,
    CONSTRAINT pk_ta PRIMARY KEY (net_id),
    CONSTRAINT chk_ta_office_number CHECK (office_roomnumber>=1000 AND
office_roomnumber<=9999),
    CONSTRAINT fk_ta_1 FOREIGN KEY (net_id) REFERENCES STUDENT (net_id),
    CONSTRAINT fk_ta_2 FOREIGN KEY (net_id) REFERENCES EMPLOYEE (net_id),
    CONSTRAINT fk_ta_3 FOREIGN KEY
(office_roomnumber,office_building_abbreviation) REFERENCES OFFICE
(room_number,building_abbreviation)
);

/**
 * PROFESSOR(net_id , rank, office_roomnumber, office_building_abbreviation , office_hour)
 */
CREATE TABLE PROFESSOR
(
    net_id VARCHAR(24) NOT NULL,
    rank VARCHAR(10) NOT NULL,
    office_roomnumber INTEGER NOT NULL,
    office_building_abbreviation VARCHAR(10) NOT NULL,
    office_hour DECIMAL(5,2) NOT NULL,
    CONSTRAINT pk_professor PRIMARY KEY (net_id),
    CONSTRAINT chk_professor_orn CHECK (office_roomnumber>=1000 AND
office_roomnumber<=9999),
    CONSTRAINT chk_professor_rank CHECK (rank IN ('assistant','associate','full')),
    CONSTRAINT fk_professor_1 FOREIGN KEY
(office_roomnumber,office_building_abbreviation) REFERENCES
OFFICE(room_number,building_abbreviation),
    CONSTRAINT fk_professor_2 FOREIGN KEY (net_id) REFERENCES
EMPLOYEE(net_id)
);

/**
 * ADVICE (prof_net_id, student_net_id)
 */
CREATE TABLE ADVICE
```

```
(
    prof_net_id VARCHAR(24) NOT NULL,
    student_net_id VARCHAR(24) NOT NULL,
    CONSTRAINT pk_advice PRIMARY KEY (prof_net_id, student_net_id),
    CONSTRAINT fk_advice_1 FOREIGN KEY (prof_net_id) REFERENCES
PROFESSOR(net_id),
    CONSTRAINT fk_advice_2 FOREIGN KEY (student_net_id) REFERENCES
STUDENT(net_id)
);

/**
 * LECTURER (net_id, office_roomnumber, office_building_abbreviation, office_hour)
 */
CREATE TABLE LECTURER
(
    net_id VARCHAR(24) NOT NULL,
    office_roomnumber INTEGER NOT NULL,
    office_building_abbreviation VARCHAR(10) NOT NULL,
    office_hour DECIMAL(5,2) NOT NULL,
    CONSTRAINT pk_lecturer PRIMARY KEY (net_id),
    CONSTRAINT chk_lecturer_orn CHECK (office_roomnumber >= 1000 AND
office_roomnumber <= 9999),
    CONSTRAINT fk_lecturer_1 FOREIGN KEY
(office_roomnumber, office_building_abbreviation) REFERENCES
OFFICE(room_number, building_abbreviation),
    CONSTRAINT fk_lecturer_2 FOREIGN KEY (net_id) REFERENCES EMPLOYEE(net_id)
);

/**
 * INSTRUCTOR (net_id)
 */
CREATE TABLE INSTRUCTOR
(
    net_id VARCHAR(24) NOT NULL,
    CONSTRAINT pk_instructor PRIMARY KEY (net_id)/*,
    CONSTRAINT fk_instructor FOREIGN KEY
use trigger later*/
);

/**
 * HIRE (dept_abbreviation, net_id)
 */
CREATE TABLE HIRE
(
    dept_abbreviation VARCHAR(10) NOT NULL,
    net_id VARCHAR(24) NOT NULL,
    CONSTRAINT pk_hire PRIMARY KEY (dept_abbreviation, net_id),
    CONSTRAINT fk_hire_1 FOREIGN KEY (dept_abbreviation) REFERENCES
DEPARTMENT(abbreviation),
    CONSTRAINT fk_hire_2 FOREIGN KEY (net_id) REFERENCES EMPLOYEE(net_id)
);
```

```
/**
 * TRACK (name, dept_abbreviation)
 */
CREATE TABLE TRACK
(
    name VARCHAR(64) NOT NULL,
    dept_abbreviation VARCHAR(10) NOT NULL,
    CONSTRAINT pk_track PRIMARY KEY (name),
    CONSTRAINT fk_track FOREIGN KEY (dept_abbreviation) REFERENCES
DEPARTMENT(abbreviation)
);

/**
 * COURSE (course_number, name, credit_hour, dept_abbreviation)
 */
CREATE TABLE COURSE
(
    course_number INTEGER NOT NULL,
    name VARCHAR(64) NOT NULL,
    credit_hour INTEGER NOT NULL,
    dept_abbreviation VARCHAR(10) NOT NULL,
    CONSTRAINT pk_course PRIMARY KEY (course_number),
    CONSTRAINT chk_course_credithour CHECK (credit_hour>=1 AND credit_hour<=6),
    CONSTRAINT chk_course_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
    CONSTRAINT fk_course FOREIGN KEY (dept_abbreviation) REFERENCES
DEPARTMENT(abbreviation)
);

/**
 * STUDENT_PREREQUISITE (student_net_id, course_number)
 */
CREATE TABLE STUDENT_PREREQUISITE
(
    student_net_id VARCHAR(24) NOT NULL,
    course_number INTEGER NOT NULL,
    CONSTRAINT pk_sp PRIMARY KEY (student_net_id, course_number),
    CONSTRAINT chk_sp_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
    CONSTRAINT fk_sp_1 FOREIGN KEY (student_net_id) REFERENCES
STUDENT(net_id),
    CONSTRAINT fk_sp_2 FOREIGN KEY (course_number) REFERENCES
COURSE(course_number)
);

/**
 * TRACK_CORE_COURSE (track_name, course_number)
 */
CREATE TABLE TRACK_CORE_COURSE
```

```
(
    track_name VARCHAR(64) NOT NULL,
    course_number INTEGER NOT NULL,
    CONSTRAINT pk_tcc PRIMARY KEY (track_name, course_number),
    CONSTRAINT chk_tcc_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
    CONSTRAINT fk_tcc_1 FOREIGN KEY (track_name) REFERENCES TRACK(name),
    CONSTRAINT fk_tcc_2 FOREIGN KEY (course_number) REFERENCES
COURSE(course_number)
);

/**
 * SECTION(course number , section_number , year , semester , class_time , capacity,
instructor_net_id, building_abbreviation , room_number)
 */
CREATE TABLE SECTION
(
    course_number INTEGER NOT NULL,
    section_number INTEGER NOT NULL,
    year INTEGER NOT NULL,
    semester VARCHAR(10) NOT NULL,
    class_time DECIMAL(5,2) NOT NULL,
    capacity INTEGER NOT NULL,
    instructor_net_id VARCHAR(24),
    building_abbreviation VARCHAR(10),
    room_number INTEGER NOT NULL,
    CONSTRAINT pk_section PRIMARY KEY (course_number, section_number, year,
semester),
    CONSTRAINT chk_section_coursenumber CHECK(course_number>=1000 AND
course_number<=9999),
    CONSTRAINT chk_section_year CHECK (year>=1000 AND year<=9999),
    CONSTRAINT chk_section_roomnumber CHECK (room_number>=1000 AND
room_number<=9999),
    CONSTRAINT chk_section_sectionnumber CHECK (section_number>=0 AND
section_number<=999),
    CONSTRAINT chk_section_semester CHECK (semester IN ('fall','spring','summer')),
    CONSTRAINT fk_section_1 FOREIGN KEY (course_number) REFERENCES
COURSE(course_number),
    CONSTRAINT fk_section_2 FOREIGN KEY (instructor_net_id) REFERENCES
INSTRUCTOR(net_id),
    CONSTRAINT fk_section_3 FOREIGN KEY (building_abbreviation,room_number)
REFERENCES CLASSROOM(building_abbreviation,room_number)
);

/**
 * SECTION_HAS_TA (ta_net_id, course_number, section_number, year, semester, workload)
 */
CREATE TABLE SECTION_HAS_TA
(
    ta_net_id VARCHAR(24) NOT NULL,
```

```
        course_number INTEGER NOT NULL,
        section_number INTEGER NOT NULL,
        year INTEGER NOT NULL,
        semester VARCHAR(10) NOT NULL,
        workload DECIMAL(5,2) NOT NULL,
        CONSTRAINT pk_sht PRIMARY KEY (ta_net_id,course_number, section_number,
year, semester),
        CONSTRAINT chk_sht_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
        CONSTRAINT chk_sht_sectionnumber CHECK (section_number>=0 AND
section_number<=999),
        CONSTRAINT chk_sht_year CHECK (year>=1000 AND year<=9999),
        CONSTRAINT chk_sht_semester CHECK (semester IN ('fall','spring','summer')),
        CONSTRAINT fk_sht_1 FOREIGN KEY (ta_net_id) REFERENCES TA (net_id),
        CONSTRAINT fk_sht_2 FOREIGN KEY
(course_number,section_number,year,semester) REFERENCES
SECTION(course_number,section_number,year,semester)
);

/**
 * COURSE_TEXTBOOK (course_number, textbook)
 */
CREATE TABLE COURSE_TEXTBOOK
(
    course_number INTEGER NOT NULL,
    textbook VARCHAR(64) NOT NULL,
    CONSTRAINT pk_ct PRIMARY KEY (course_number, textbook),
    CONSTRAINT chk_ct_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
    CONSTRAINT fk_ct FOREIGN KEY (course_number) REFERENCES
COURSE(course_number)
);

/**
 * RA_WORK_ASSIGNMENT(workload , prof_net_id , ra_net_id , room_number ,
building_abbreviation)
 */
CREATE TABLE RA_WORK_ASSIGNMENT
(
    workload DECIMAL(5,2) NOT NULL,
    prof_net_id VARCHAR(24) NOT NULL,
    ra_net_id VARCHAR(24) NOT NULL,
    room_number INTEGER NOT NULL,
    building_abbreviation VARCHAR(10) NOT NULL,
    CONSTRAINT pk_raw PRIMARY KEY (prof_net_id, room_number,
building_abbreviation),
    CONSTRAINT chk_raw_roomnumber CHECK (room_number>=1000 AND
room_number<=9999),
    CONSTRAINT fk_raw_1 FOREIGN KEY (prof_net_id) REFERENCES
PROFESSOR(net_id),
```

```
        CONSTRAINT fk_raw_2 FOREIGN KEY (ra_net_id) REFERENCES RA(net_id),
        CONSTRAINT fk_raw_3 FOREIGN KEY (room_number,building_abbreviation)
REFERENCES LAB(room_number,building_abbreviation)
);

/**
 * RUN (prof_net_id, building_abbreviation, room_number)
 */
CREATE TABLE RUN
(
    prof_net_id VARCHAR(24) NOT NULL,
    building_abbreviation VARCHAR(10) NOT NULL,
    room_number INTEGER NOT NULL,
    CONSTRAINT pk_run PRIMARY KEY (prof_net_id, building_abbreviation,
room_number),
    CONSTRAINT chk_run_roomnumber CHECK (room_number>=1000 AND
room_number<=9999),
    CONSTRAINT fk_run_1 FOREIGN KEY (prof_net_id) REFERENCES
PROFESSOR(net_id),
    CONSTRAINT fk_run_2 FOREIGN KEY (building_abbreviation,room_number)
REFERENCES LAB(building_abbreviation,room_number)
);

/**
 * TAKE(student_net_id, course_number, section_number, year, semester, grade)
 */
CREATE TABLE TAKE
(
    student_net_id VARCHAR(24) NOT NULL,
    course_number INTEGER NOT NULL,
    section_number INTEGER NOT NULL,
    year INTEGER NOT NULL,
    semester VARCHAR(10) NOT NULL,
    grade DECIMAL(3,2),
    CONSTRAINT pk_take PRIMARY KEY (student_net_id, course_number,
section_number, year, semester),
    CONSTRAINT chk_take_coursenumber CHECK (course_number>=1000 AND
course_number<=9999),
    CONSTRAINT chk_take_sectionnumber CHECK (section_number>=0 AND
section_number<=999),
    CONSTRAINT chk_take_year CHECK (year>=1000 AND year<9999),
    CONSTRAINT chk_take_grade CHECK (grade>=0.00 AND grade<=4.00),
    CONSTRAINT chk_take_semester CHECK (semester IN ('fall','spring','summer')),
    CONSTRAINT fk_take_1 FOREIGN KEY (student_net_id) REFERENCES
STUDENT(net_id),
    CONSTRAINT fk_take_2 FOREIGN KEY
(course_number,section_number,year,semester) REFERENCES
SECTION(course_number,section_number,year,semester)
);
```



```
ALTER TABLE DEPARTMENT ADD CONSTRAINT fk_department FOREIGN KEY
(head_prof_net_id) REFERENCES PROFESSOR(net_id);
ALTER TABLE STUDENT ADD CONSTRAINT fk_student_2 FOREIGN KEY (track_name)
REFERENCES TRACK(name);

CREATE TRIGGER fk_instructor
BEFORE INSERT OR UPDATE
ON INSTRUCTOR
REFERENCING NEW AS NEW OLD AS OLD
FOR EACH ROW
DECLARE
    num INTEGER;
    cannot_insert_or_update EXCEPTION;
    CURSOR c1 IS
        SELECT COUNT(*)
        FROM (
            SELECT net_id
            FROM PROFESSOR
            WHERE UPPER (net_id) = UPPER (:NEW.net_id)
            UNION
            SELECT net_id
            FROM LECTURER
            WHERE UPPER (net_id) = UPPER (:NEW.net_id)
        );
BEGIN
    OPEN c1;
    FETCH c1 INTO num;
    CLOSE c1;
    IF num = 0 THEN
        RAISE cannot_insert_or_update;
    END IF;
EXCEPTION
    WHEN cannot_insert_or_update THEN
        RAISE_APPLICATION_ERROR(-20303,'BREAK FOREIGN KEY INTEGRITY');
    WHEN OTHERS THEN
        RAISE;
END;
```

Create View

```
/**
 * Database Project Phase III D View Creation
 */

/**
 * 1. Department heads: List all department names with their department head's names
    and salaries.
 */
CREATE VIEW Department_heads AS
SELECT d.full_name, p.last_name, p.middle_name, p.first_name, e.salary
```

```
FROM PEOPLE p, EMPLOYEE e, DEPARTMENT d
WHERE p.net_id = e.net_id AND e.net_id = d.head_prof_net_id;
```

```
/**
```

```
* 2. Students with prerequisites: List name of students who have any prerequisite
course (no matter he/she had taken it or not).
```

```
*/
```

```
CREATE VIEW Students_with_prerequisites AS
SELECT p.last_name, p.middle_name, p.first_name
FROM STUDENT s, STUDENT_PREREQUISITE sp, PEOPLE p
WHERE s.net_id = p.net_id
AND s.net_id = sp.student_net_id;
```

```
/**
```

```
* 3. Current courses: List name and department of courses that have section in current
semester.
```

```
*/
```

```
CREATE VIEW Current_courses AS
SELECT distinct c.name, d.full_name
FROM COURSE c, DEPARTMENT d, SECTION s
WHERE (c.course_number=s.course_number)
AND (d.abbreviation=c.dept_abbreviation)
AND (s.year=2014)
AND (s.semester='fall');
```

```
/**
```

```
* 4. Student workers: List name and id of students who work as TA and/or RA, with their
workloads. If a student work as both TA and RA, or if she work as TA for several course
sections, show her total workload.
```

```
*/
```

```
CREATE VIEW Student_workers AS
SELECT p.last_name, p.middle_name, p.first_name, wl.net_id, wl.workload
FROM(
    SELECT net_id, SUM(workload) AS workload
    FROM(
        SELECT ra_net_id AS net_id, workload
        FROM RA_WORK_ASSIGNMENT
        UNION ALL
        SELECT ta_net_id AS net_id, workload
        FROM SECTION_HAS_TA
    )
    GROUP BY net_id
) wl, PEOPLE p
WHERE wl.net_id = p.net_id;
```

Select Statement

```
/**
```

```
* Database Project Phase III E Select
```

```
*/
```

```
/**
 * 1. Retrieve name and phone number of students living in Richardson.
 */
SELECT p.last_name, p.middle_name, p.first_name, p.phone_number
FROM PEOPLE p, STUDENT s
WHERE (p.net_id = s.net_id)
AND (p.city = 'richardson');

/**
 * 2. Retrieve the SSN and name of lecturers and TA's working for CS department.
 */
SELECT e.ssn, p.last_name, p.middle_name, p.first_name
FROM (
    SELECT l.net_id
    FROM LECTURER l, HIRE h
    WHERE l.net_id = h.net_id
    AND h.dept_abbreviation = 'eecs'
    UNION
    SELECT ta.net_id
    FROM TA ta, HIRE h
    WHERE ta.net_id = h.net_id
    AND h.dept_abbreviation = 'eecs'
) lt, EMPLOYEE e, PEOPLE p
WHERE lt.net_id = e.net_id
AND lt.net_id = p.net_id;

/**
 * 3. Retrieve the name and web site address of departments which have the most number
of buildings.
 */
SELECT d.full_name, d.website_address
FROM (
    SELECT dept_abbreviation
    FROM BUILDING
    GROUP BY dept_abbreviation
    HAVING COUNT(*)=(
        SELECT MAX(num)
        FROM(
            SELECT Count(*) AS num
            FROM BUILDING
            GROUP BY dept_abbreviation
        )
    )
) abbr, DEPARTMENT d
WHERE (abbr.dept_abbreviation=d.abbreviation);

/**
 * 4. Retrieve the name and total capacity of all courses.
 */
```

```
SELECT c.name, sc.capacity
FROM (
    SELECT course_number, SUM(capacity) AS capacity
    FROM SECTION
    GROUP BY course_number
) sc, COURSE c
WHERE sc.course_number = c.course_number;
```

```
/**
 * 5. For students who work as both TA and RA, retrieve their name, address, and course
sections they work for.
```

```
*/
SELECT p.last_name, p.middle_name, p.first_name, p.state, p.city, p.street, p.zip_code,
c.name, s.course_number, s.section_number, s.year, s.semester
FROM TA t, RA r, PEOPLE p, SECTION_HAS_TA s, COURSE c
WHERE(t.net_id=r.net_id)
AND (t.net_id=p.net_id)
AND (t.net_id=s.ta_net_id)
AND (s.course_number=c.course_number);
```

```
/**
 * 6. For each department, retrieve the name and salary of employees whose salary is
higher than the average salary of the department.
```

```
*/
SELECT p.last_name, p.middle_name, p.first_name, e.salary
FROM (
    SELECT AVG(salary) AS avg_salary, dept_abbreviation
    FROM (
        SELECT em.net_id, hi.dept_abbreviation, em.salary
        FROM EMPLOYEE em, HIRE hi
        WHERE em.net_id = hi.net_id
    )
    GROUP BY dept_abbreviation
) avg, PEOPLE p, EMPLOYEE e, HIRE h
WHERE (avg.dept_abbreviation = h.dept_abbreviation)
AND (p.net_id = e.net_id)
AND (e.net_id = h.net_id)
AND (e.salary > avg.avg_salary);
```

```
/**
 * 7. Retrieve the number of buildings which have classrooms with capacity higher than
200.
```

```
*/
SELECT COUNT(DISTINCT building_abbreviation)
FROM CLASSROOM
WHERE capacity>200;
```

```
/**
 * 8. For each lecturer whose course sections have total capacity higher than 150,
retrieve the lecturer's name and salary.
```

```
*/
SELECT DISTINCT p.last_name, p.middle_name, p.first_name, e.salary
FROM PEOPLE p, LECTURER l, SECTION s, EMPLOYEE e
WHERE (p.net_id = l.net_id)
AND (l.net_id = s.instructor_net_id)
AND (l.net_id = e.net_id)
AND (s.capacity > 150);

/**
* 9. Retrieve the name and id of students who have taken all core courses but have no
advisor.
*/
SELECT p.last_name, p.middle_name, p.first_name, p.net_id
FROM (
    SELECT net_id
    FROM STUDENT
    MINUS (
        SELECT DISTINCT net_id
        FROM (
            SELECT s.net_id, tcc.course_number
            FROM STUDENT s, TRACK_CORE_COURSE tcc
            WHERE s.track_name = tcc.track_name
            MINUS
            SELECT t.student_net_id, t.course_number
            FROM TAKE t
            WHERE t.grade IS NOT NULL
        )
    )
) cmpl, PEOPLE p
WHERE (cmpl.net_id = p.net_id)
AND (cmpl.net_id NOT IN (
    SELECT DISTINCT student_net_id
    FROM ADVICE)
);

/**
* 10. Retrieve the course sections which are full (enrolled student number equals
capacity).
*/
SELECT s.course_number, s.section_number, s.year, s.semester
FROM (
    SELECT t.course_number, t.section_number, t.year, t.semester, COUNT(*) AS taken
    FROM SECTION s, TAKE t
    WHERE (s.course_number = t.course_number)
    AND (s.section_number = t.section_number)
    AND (s.year = t.year)
    AND (s.semester = t.semester)
    GROUP BY t.course_number, t.section_number, t.year, t.semester
) tk, SECTION s
WHERE tk.course_number = s.course_number
```

```
AND tk.section_number = s.section_number
AND tk.year = s.year
AND tk.semester = s.semester
AND tk.taken = s.capacity;
```

```
/**
 * 11. For each track of CS department, retrieve their name, number of core courses, and
number of students.
 */
SELECT t.name, cn.cnum, sn.snum
FROM (
    SELECT track_name, COUNT(*) AS cnum
    FROM TRACK_CORE_COURSE
    GROUP BY track_name
) cn, (
    SELECT track_name, COUNT(*) AS snum
    FROM STUDENT
    GROUP BY track_name
) sn, TRACK t
WHERE t.name = cn.track_name
AND t.name = sn.track_name
AND t.dept_abbreviation = 'eecs';
```

```
/**
 * 12. Retrieve the average salary of lecturers who instruct at least 3 course sections.
 */
SELECT AVG(salary)
FROM EMPLOYEE e
WHERE e.net_id IN (
    SELECT instructor_net_id AS net_id
    FROM SECTION
    WHERE instructor_net_id IN (SELECT net_id FROM LECTURER)
    GROUP BY instructor_net_id
    HAVING COUNT(*)>=3
);
```

```
/**
 * 13. Retrieve the name and id of professors who run exactly one lab and their lab and
office are in the same building.
 */
SELECT p.last_name, p.middle_name, p.first_name, prof.prof_net_id
FROM (
    SELECT prof_net_id
    FROM PROFESSOR p, RUN r
    WHERE p.net_id IN (
        SELECT prof_net_id
        FROM RUN
        GROUP BY prof_net_id
    )
    GROUP BY p.net_id
);
```

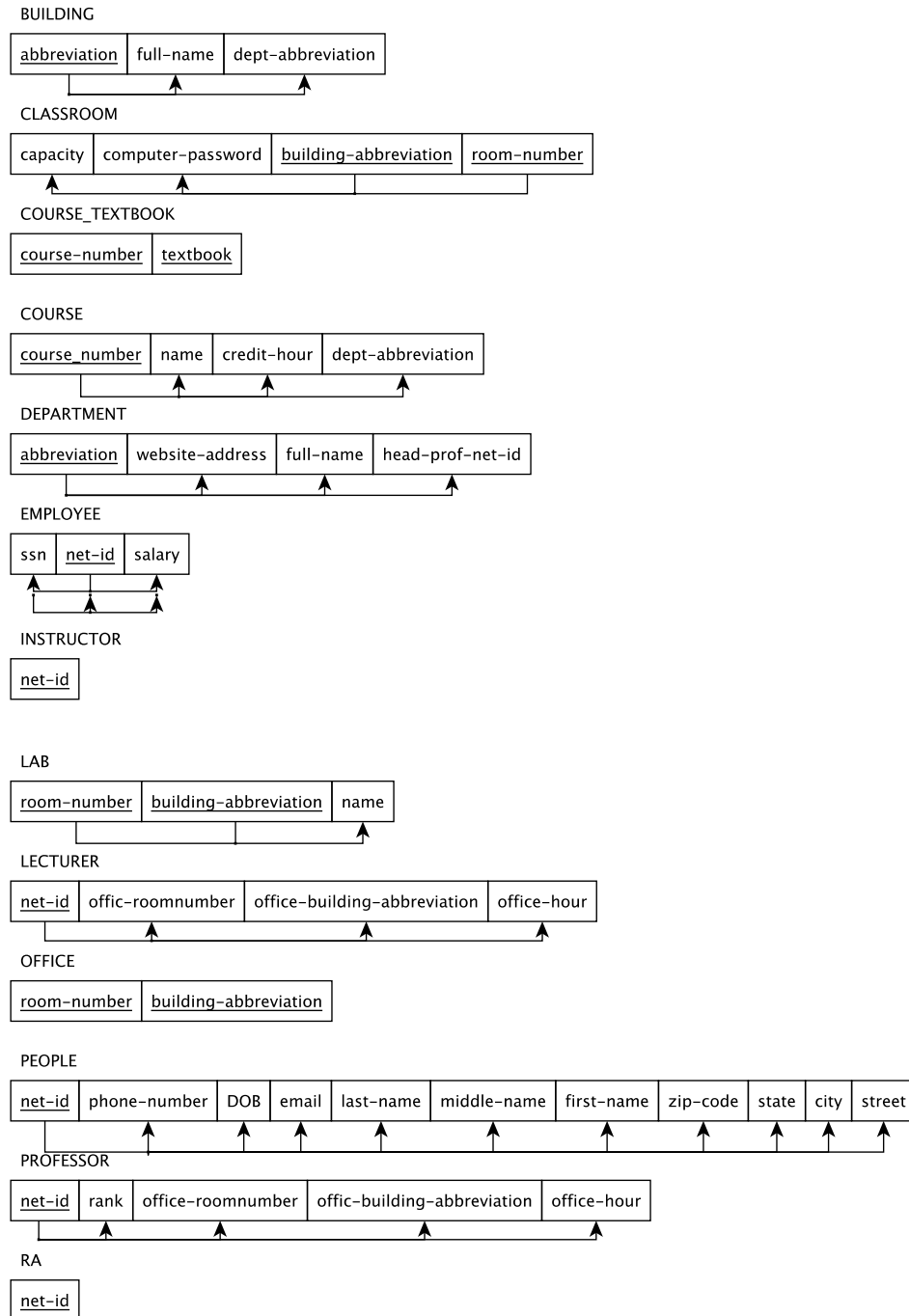
```
        HAVING COUNT(*)=1
    )
    AND p.net_id = r.prof_net_id
    AND p.office_building_abbreviation = r.building_abbreviation
) prof, PEOPLE p
WHERE prof.prof_net_id = p.net_id;

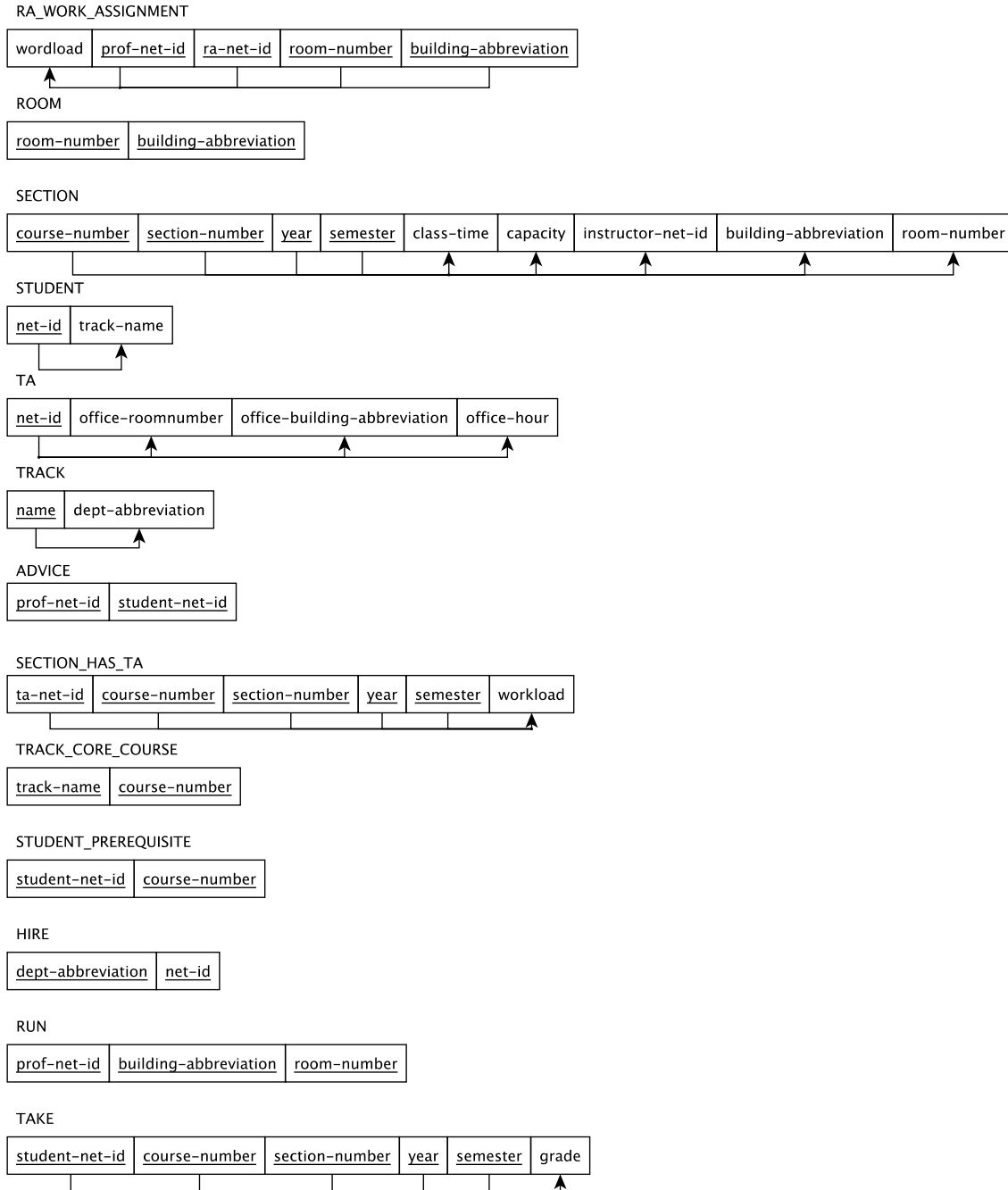
/**
 * 14. For each department, retrieve the name of the highest paid professor and the name of
lab(s) she run.
 */
SELECT p.last_name, p.middle_name, p.first_name, l.name
FROM PEOPLE p, RUN r, LAB l
WHERE p.net_id IN (
    SELECT net_id
    FROM (
        SELECT net_id, salary
        FROM EMPLOYEE
        WHERE net_id IN (SELECT net_id FROM PROFESSOR)
    )
    WHERE salary = (
        SELECT MAX(salary)
        FROM (
            SELECT net_id, salary
            FROM EMPLOYEE
            WHERE net_id IN (SELECT net_id FROM PROFESSOR)
        )
    )
)
AND p.net_id = r.prof_net_id
AND r.building_abbreviation = l.building_abbreviation
AND r.room_number = l.room_number;

/**
 * 15. Retrieve the name and email address of students with highest GPA.
 */
SELECT last_name, middle_name, first_name, email
FROM PEOPLE
WHERE net_id IN (
    SELECT student_net_id
    FROM TAKE
    GROUP BY student_net_id
    HAVING AVG(grade) = (
        SELECT MAX(avggrade)
        FROM (
            SELECT student_net_id, AVG(grade) AS avggrade
            FROM TAKE
            GROUP BY student_net_id
        )
    )
)
```

)

Dependency Diagram





Appendix

Data Population SQL Statement

```
ALTER TABLE DEPARTMENT DISABLE CONSTRAINT fk_department;
ALTER TABLE STUDENT DISABLE CONSTRAINT fk_student_2;
REM INSERTING into DEPARTMENT
SET DEFINE OFF;
Insert into DEPARTMENT (ABBREVIATION,WEBSITE_ADDRESS,FULL_NAME,HEAD_PROF_NET_ID) values
('eecs','eecs.utdallas.edu','erik jonsson','10000');
Insert into DEPARTMENT (ABBREVIATION,WEBSITE_ADDRESS,FULL_NAME,HEAD_PROF_NET_ID) values
('jindal','jindal.utdallas.edu','naveen jindal','10001');
REM INSERTING into PEOPLE
```

```
SET DEFINE OFF;
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10000','9794945368,to_date('10-MAY-66','DD-MON-RR'),'Integer.aliqum@odiosempercurus.net','Kyle','Anika','Macaulay',50770,'dolor','richardson','Ap #539-4098 Enim Rd.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10001','7646068009,to_date('29-DEC-80','DD-MON-RR'),'malesuada@nonjusto.edu','Octavia','Colette','Cain',28674,'et','metus','195-9801 Eu Street');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10002','4679403209,to_date('29-JUL-89','DD-MON-RR'),'ipsum.sodales.purus@ultriciessem.com','Len','Constance','Amos',77697,'Fusce','Nam','P.O. Box 783, 300 Parturient Rd.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10003','8093631451,to_date('07-NOV-68','DD-MON-RR'),'vulputate@nullaet.org','Jessamine','Kuame','Barbara',86154,'Ut','Quisque','7609 Massa Av.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10004','9623972233,to_date('24-OCT-82','DD-MON-RR'),'quis.tristique.ac@urnaetarcu.com','Lars','Ora','Omar',27179,'nec','consequat','Ap #441-4307 Aliquam Rd.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10005','7096694203,to_date('12-MAR-88','DD-MON-RR'),'nonummy.ac.feugiat@VivamusnisiMauris.net','MacKenzie','Dorian','Galena',74354,'faucibus','amet','6225 Turpis Street');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10006','1744581562,to_date('10-AUG-88','DD-MON-RR'),'molestie@habitant.com','Calista','Hector','Guy',71655,'enim','ante','4726 Ornare, St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10007','6710466155,to_date('27-AUG-96','DD-MON-RR'),'volutpat.Nulla.dignissim@lorem.net','Quinlan','Paloma','Melvin',82507,'vel','urna','Ap #859-5261 Posuere Avenue');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10008','9079109614,to_date('24-JUN-84','DD-MON-RR'),'elita.feugiat@diam.edu','Gregory','Robin','Tarik',73220,'elementum','mollis','5387 Erat Av.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10009','5341545593,to_date('21-OCT-69','DD-MON-RR'),'a@magnisdisparturient.edu','Keegan','Lucas','Neville',97940,'mi','Praesent','202-2083 Ligula St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10010','8078842027,to_date('04-MAR-79','DD-MON-RR'),'interdum.Sed@Duisselementumdui.edu','Giacomo','Pamela','Plato',93252,'quis','nisi','9256 Morbi St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10011','7755056944,to_date('04-MAY-94','DD-MON-RR'),'magnis@ametornare.net','Ann','Rajah','Olympia',19712,'amet','rhoncus','P.O. Box 389, 8037 Nibh Road');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10012','6458824042,to_date('29-NOV-96','DD-MON-RR'),'Integer.sem.elit@placeratCras.org','Nyssa','Candice','Marshall',99776,'Sed','lacus','Ap #399-2450 Sollicitudin Avenue');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10013','4480589197,to_date('25-SEP-82','DD-MON-RR'),'ac.mattis@duiCumsociis.net','Basia','Veda','Brenden',85361,'enim','consectetuer','9675 Elit. Street');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10014','9525385051,to_date('18-SEP-90','DD-MON-RR'),'Aliquam@sociisnatoque.com','Holley','Adam','Kimberly',91637,'posuere','richardson','Ap #682-4428 Quisque Av.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10015','3906030883,to_date('25-OCT-67','DD-MON-RR'),'nibh@nisl.com','Ethan','Daniel','Imani',97968,'ultrices','tempus','839-5728 Quis St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10016','3466817983,to_date('28-DEC-99','DD-MON-RR'),'placerat.eget@Donecnibhenim.ca','Desirae','Xander','Tad',38752,'est','posuere','P.O. Box 419, 8768 Donec St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10017','2527550400,to_date('12-JUL-78','DD-MON-RR'),'Sed.eget@non.com','Uta','Gannon','Kylan',81252,'Cras','vel','538-5899 Felis, St.');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10018','3268042834,to_date('06-JAN-88','DD-MON-RR'),'turpis.In@massaVestibulumaccumsan.org','Dai','Tasha','Kristen',56138,'pede','leo','Ap #799-9941 Odio Avenue');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10019','7932626804,to_date('16-JUL-79','DD-MON-RR'),'tortor.dictum@dolordapibusgravida.co.uk','Sean','Orson','Colleen',21010,'Maecenas','justo','2425 Metus Street');
```

Insert into PEOPLE

```
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10020','5885979843,to_date('17-MAY-97','DD-MON-RR'),'non.justo.Proin@eget.ca','Nicholas','Sybill','Price',60834,'vel','eleifend','Ap #608-6136 Donec Rd.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10021',5835444091,to_date('30-AUG-76','DD-MON-RR'),'cursus@turpisegeestasFusce.org','Howard','Iris','Thomas',76081,'molestie','Integer','P.O. Box 645, 3402 Enim Av.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10022',5949135790,to_date('15-FEB-82','DD-MON-RR'),'nisl@auctor.org','Teagan','Madonna','Chelsea',19468,'in','lacus','P.O. Box 102, 8051 Non Street');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10023',8215582136,to_date('02-NOV-63','DD-MON-RR'),'vel.vulputate@Crasconvallisconvallis.ca','Kelly','Maris','Julie',86541,'Suspendisse','ultrices','Ap #995-2285 Tincidunt Av.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10024',6976103532,to_date('25-JUN-87','DD-MON-RR'),'neque.tellus@posuereatvelit.edu','Florence','Slade','Aaron',52855,'sagittis','Nullam','146-7306 Facilisis Rd.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10025',3744481601,to_date('31-AUG-84','DD-MON-RR'),'dui@nisia.edu','Aimee','Yuli','Eaton',32796,'non','nec','P.O. Box 544, 8626 Est Ave');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10026',6660449189,to_date('28-OCT-72','DD-MON-RR'),'facilisis@auctorodio.net','Myra','Brett','Kalia',66481,'sodales','richardson','960-6555 Commodo Ave');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10027',2409216053,to_date('30-NOV-94','DD-MON-RR'),'est.Mauris@vitae.co.uk','Raja','Abbot','Tanisha',10593,'Nullam','ut','Ap #313-2053 Lorem Av.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10028',9815365151,to_date('02-MAY-76','DD-MON-RR'),'vulputate@ipsum.org','Kay','Raven','Rana',82180,'tincidunt','nibh','2364 Tellus. St.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10029',8576407113,to_date('14-SEP-88','DD-MON-RR'),'lectus.ante@justo.co.uk','Ifeoma','Zeph','Haviva',73618,'at','tempus','916-5884 Fusce Ave');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10030',6698328774,to_date('29-MAY-80','DD-MON-RR'),'Aenean@aliquet.com','Dorian','Giselle','Basil',27168,'amet','sit','P.O. Box 916, 7093 Auctor St.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10031',9949938391,to_date('20-OCT-69','DD-MON-RR'),'sem.vitae.aliquam@vulputaterisusa.net','Nadine','Nicole','Chandler',43721,'Quisque','Pellentesque','Ap #537-8801 Purus St.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10032',3454204086,to_date('29-AUG-79','DD-MON-RR'),'Proin@eratvolutpatNulla.net','Ralph','Steel','Reece',41766,'erat','Fusce','Ap #248-1897 Rhoncus. Avenue');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10033',7748002621,to_date('04-SEP-89','DD-MON-RR'),'dis@sollicitudincommodo.co.uk','Meghan','Kiayada','Lacota',30560,'tellus','odio','Ap #598-4352 Arcu Ave');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10034',8767074421,to_date('01-JUN-84','DD-MON-RR'),'consectetuer.ipsum.nunc@sollicitudina.ca','Sacha','Ivan','Kai',63633,'amet','aliquet','9153 Eleifend Street');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10035',1306800869,to_date('23-JUN-81','DD-MON-RR'),'pede.Cum@enimnec.ca','Nolan','Glenna','Karyn',25218,'auctor','consectetuer','5701 Aptent Street');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10036',7167886966,to_date('26-JUL-87','DD-MON-RR'),'orci.lacus@iaculisenimsit.com','Jin','Kennan','Amy',46434,'dui','richardson','9896 Vel. Av.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10037',7003623683,to_date('28-JAN-67','DD-MON-RR'),'rutrum.Fusce.dolor@Mauris.ca','Duncan','Isaac','Maxine',12623,'id','eu','Ap #538-6334 Ac. St.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10038',3457511853,to_date('14-OCT-81','DD-MON-RR'),'Phasellus@euodiotristique.co.uk','Leilani','Adria','Wanda',27681,'non','Donec','P.O. Box 809, 3279 Fermentum St.');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10039',9652459832,to_date('20-FEB-73','DD-MON-RR'),'Suspendisse.dui@ametfaucibus.org','Wallace','Alexa','Dara',22725,'Morbi','orci','828-9203 Orci Ave');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10040',9728641383,to_date('16-JUL-71','DD-MON-RR'),'eu.arcu@at.co.uk','Quon','Tallulah','Molly',44026,'Donec','richardson','8298 Quisque Avenue');
```

```
Insert into PEOPLE
(NEI_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10041',3681115888,to_date('09-JUN-90','DD-MON-RR'),'eu@Integervulputate.com','Armand','Jonah','Dale',91198,'elit','nunc','8642 Donec Road');
```

```
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10042',3226290638,to_date('26-MAR-73','DD-MON-RR'),'fermentum@dolor.ca','Paki','Zelda','Elia',95101,'dictum','convallis','Ap #661-7603 Lorem, Rd. ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10043',1016090136,to_date('20-APR-96','DD-MON-RR'),'Nunc.mauris@etmagnisdis.org','Anastasia','Celeste','Honoro',13072,'Suspendisse','gravid',516-8666 Venenatis Road');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10044',9969865976,to_date('16-APR-65','DD-MON-RR'),'tempus@utipsum.ca','Deanna','Olivia','Maxine',72423,'molestie','id','P.O. Box 592, 5274 Et St. ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10045',4677562313,to_date('19-JUL-81','DD-MON-RR'),'pede.nec.ante@sitametrisus.com','Kirk','Barclay','Florence',60710,'vel','tempor','P.O. Box 554, 2212 Nam Avenue ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10046',7175959770,to_date('19-OCT-72','DD-MON-RR'),'aliquet.lobortis@Proinsed.edu','Kasimir','Caesar','Fatima',37971,'vel','mollis',675-9987 Lacus Rd. ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10047',1223036001,to_date('08-AUG-92','DD-MON-RR'),'sem@lorem.net','Debra','Ilia',96278,'et','eu','P.O. Box 243, 3803 Nulla. Avenue ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10048',2763608959,to_date('13-DEC-94','DD-MON-RR'),'In.nec.orci@et.org','Cooper','Cheyenne','Herman',57133,'urna','tincidunt','Ap #202-7090 Aenean St. ');
Insert into PEOPLE
(NET_ID,PHONE_NUMBER,DOB,EMAIL,LAST_NAME,MIDDLE_NAME,FIRST_NAME,ZIP_CODE,STATE,CITY,STREET) values
('10049',9093723319,to_date('23-FEB-81','DD-MON-RR'),'Aliquam.auctor.velit@Suspendissecommodo.ca','Lev','Alyssa','Ginger',94418,'quis','richardson','P.O. Box 743, 364 Quam. Avenue ');
REM INSERTING into EMPLOYEE
SET DEFINE OFF;
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000000,'10000',17852);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000001,'10001',2607);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000002,'10002',4236);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000003,'10003',14823);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000004,'10004',41269);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000005,'10005',2709);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000006,'10006',37053);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000007,'10007',47511);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000008,'10008',23367);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000009,'10009',43910);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000010,'10010',41584);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000011,'10011',21848);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000012,'10012',19166);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000013,'10013',40796);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000014,'10014',15846);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000015,'10015',10950);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000016,'10016',33184);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000017,'10017',30714);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000018,'10018',1640);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000019,'10019',47839);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000020,'10020',17406);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000021,'10021',1465);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000022,'10022',12163);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000023,'10023',39576);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000024,'10024',37825);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000025,'10025',41249);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000027,'10027',5524);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000028,'10028',10254);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000029,'10029',30548);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000030,'10030',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000031,'10031',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000032,'10032',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000033,'10033',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000034,'10034',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000035,'10035',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000036,'10036',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000037,'10037',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000038,'10038',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000039,'10039',1500);
Insert into EMPLOYEE (SSN,NET_ID,SALARY) values (100000026,'10026',5680);
REM INSERTING into STUDENT
SET DEFINE OFF;
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10031','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10032','se');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10033','acct');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10034','fin');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10035','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10036','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10037','se');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10038','acct');
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Insert into STUDENT (NET_ID,TRACK_NAME) values ('10039','fin');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10040','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10041','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10042','se');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10043','acct');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10044','fin');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10045','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10046','cs');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10047','se');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10048','acct');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10049','fin');
Insert into STUDENT (NET_ID,TRACK_NAME) values ('10030','cs');
REM INSERTING into RA
SET DEFINE OFF;
Insert into RA (NET_ID) values ('10030');
Insert into RA (NET_ID) values ('10031');
Insert into RA (NET_ID) values ('10032');
Insert into RA (NET_ID) values ('10033');
Insert into RA (NET_ID) values ('10034');
Insert into RA (NET_ID) values ('10035');
Insert into RA (NET_ID) values ('10036');
REM INSERTING into BUILDING
SET DEFINE OFF;
Insert into BUILDING (ABBREVIATION,FULL_NAME,DEPT_ABBREVIATION) values ('eecs','eecs building','eecs');
Insert into BUILDING (ABBREVIATION,FULL_NAME,DEPT_ABBREVIATION) values ('jindal','naveen jindal building','jindal');
REM INSERTING into ROOM
SET DEFINE OFF;
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1000,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1000,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1001,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1001,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1002,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1002,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1003,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1003,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1004,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1004,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1005,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1005,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1006,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1006,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1007,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1007,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1008,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1008,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1009,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1009,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1010,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1010,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1011,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1011,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1012,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1012,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1013,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1013,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1014,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1014,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1015,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1015,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1016,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1016,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1017,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1017,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1018,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1018,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1019,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1019,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1020,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1020,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1021,'eecs');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1021,'jindal');
Insert into ROOM (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1022,'eecs');
REM INSERTING into LAB
SET DEFINE OFF;
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1012,'eecs','eecs101');
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1013,'eecs','eecs102');
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1014,'eecs','eecs103');
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1012,'jindal','jindal1');
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1013,'jindal','jindal2');
Insert into LAB (ROOM_NUMBER,BUILDING_ABBREVIATION,NAME) values (1014,'jindal','jindal3');
REM INSERTING into CLASSROOM
SET DEFINE OFF;
Insert into CLASSROOM (BUILDING_ABBREVIATION,ROOM_NUMBER,CAPACITY,COMPUTER_PASSWORD) values ('eecs',1010,80,'eecs1010');
Insert into CLASSROOM (BUILDING_ABBREVIATION,ROOM_NUMBER,CAPACITY,COMPUTER_PASSWORD) values ('jindal',1010,60,'jindal1010');
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Insert into CLASSROOM (BUILDING_ABBREVIATION,ROOM_NUMBER,CAPACITY,COMPUTER_PASSWORD) values
('eecs',1011,250,'eecs1011');
Insert into CLASSROOM (BUILDING_ABBREVIATION,ROOM_NUMBER,CAPACITY,COMPUTER_PASSWORD) values
('jindal',1011,120,'jindal1011');
REM INSERTING into OFFICE
SET DEFINE OFF;
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1000,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1000,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1001,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1001,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1002,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1002,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1003,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1003,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1004,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1004,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1005,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1005,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1006,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1006,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1007,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1007,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1008,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1008,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1009,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1009,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1015,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1015,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1016,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1016,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1017,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1017,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1018,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1018,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1019,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1019,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1020,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1020,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1021,'eecs');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1021,'jindal');
Insert into OFFICE (ROOM_NUMBER,BUILDING_ABBREVIATION) values (1022,'eecs');
REM INSERTING into TA
SET DEFINE OFF;
Insert into TA (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10035',1020,'eecs',29.78);
Insert into TA (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10036',1021,'eecs',24.5);
Insert into TA (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10037',1022,'eecs',31.39);
Insert into TA (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10038',1020,'jindal',28.5);
Insert into TA (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10039',1021,'jindal',27.73);
REM INSERTING into PROFESSOR
SET DEFINE OFF;
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10000','full',1000,'eecs',32.16);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10001','full',1001,'eecs',35.04);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10002','full',1000,'jindal',24.24);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10003','full',1001,'jindal',31.33);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10004','associate',1002,'eecs',23.92);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10005','associate',1003,'eecs',28.66);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10006','associate',1002,'jindal',26.02);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10007','associate',1003,'jindal',27.67);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10008','associate',1004,'eecs',37.44);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10009','associate',1004,'jindal',33.84);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10010','associate',1005,'eecs',33.58);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10011','assistant',1005,'jindal',22.4);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10012','assistant',1006,'eecs',21.29);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10013','assistant',1006,'jindal',33.32);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10014','assistant',1007,'eecs',20.41);
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Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10015','assistant',1007,'jindal',35.18);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10016','assistant',1008,'eecs',33.96);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10017','assistant',1008,'jindal',39.7);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10018','assistant',1009,'eecs',37.81);
Insert into PROFESSOR (NET_ID,RANK,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10019','assistant',1009,'jindal',27.2);
REM INSERTING into LECTURER
SET DEFINE OFF;
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10020',1015,'eecs',31.05);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10021',1016,'eecs',30.34);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10022',1017,'eecs',38.24);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10023',1018,'eecs',20.21);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10024',1019,'eecs',22.65);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10025',1015,'jindal',35.55);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10026',1016,'jindal',25.68);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10027',1017,'jindal',25.42);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10028',1018,'jindal',38.17);
Insert into LECTURER (NET_ID,OFFICE_ROOMNUMBER,OFFICE_BUILDING_ABBREVIATION,OFFICE_HOUR) values
('10029',1019,'jindal',32.87);
REM INSERTING into INSTRUCTOR
SET DEFINE OFF;
Insert into INSTRUCTOR (NET_ID) values ('10004');
Insert into INSTRUCTOR (NET_ID) values ('10005');
Insert into INSTRUCTOR (NET_ID) values ('10006');
Insert into INSTRUCTOR (NET_ID) values ('10007');
Insert into INSTRUCTOR (NET_ID) values ('10008');
Insert into INSTRUCTOR (NET_ID) values ('10009');
Insert into INSTRUCTOR (NET_ID) values ('10010');
Insert into INSTRUCTOR (NET_ID) values ('10011');
Insert into INSTRUCTOR (NET_ID) values ('10012');
Insert into INSTRUCTOR (NET_ID) values ('10013');
Insert into INSTRUCTOR (NET_ID) values ('10014');
Insert into INSTRUCTOR (NET_ID) values ('10015');
Insert into INSTRUCTOR (NET_ID) values ('10016');
Insert into INSTRUCTOR (NET_ID) values ('10017');
Insert into INSTRUCTOR (NET_ID) values ('10018');
Insert into INSTRUCTOR (NET_ID) values ('10019');
Insert into INSTRUCTOR (NET_ID) values ('10020');
Insert into INSTRUCTOR (NET_ID) values ('10021');
Insert into INSTRUCTOR (NET_ID) values ('10022');
Insert into INSTRUCTOR (NET_ID) values ('10023');
Insert into INSTRUCTOR (NET_ID) values ('10024');
Insert into INSTRUCTOR (NET_ID) values ('10025');
Insert into INSTRUCTOR (NET_ID) values ('10026');
Insert into INSTRUCTOR (NET_ID) values ('10027');
Insert into INSTRUCTOR (NET_ID) values ('10028');
Insert into INSTRUCTOR (NET_ID) values ('10029');
REM INSERTING into HIRE
SET DEFINE OFF;
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10000');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10001');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10004');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10005');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10008');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10010');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10012');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10014');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10016');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10018');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10020');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10021');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10022');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10023');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10024');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10030');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10031');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10032');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10035');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10036');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('eecs','10037');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10002');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10003');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10006');
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Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10007');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10009');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10011');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10013');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10015');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10017');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10019');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10025');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10026');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10027');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10028');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10029');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10033');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10034');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10038');
Insert into HIRE (DEPT_ABBREVIATION,NET_ID) values ('jindal','10039');
REM INSERTING into TRACK
SET DEFINE OFF;
Insert into TRACK (NAME,DEPT_ABBREVIATION) values ('cs','eecs');
Insert into TRACK (NAME,DEPT_ABBREVIATION) values ('se','eecs');
Insert into TRACK (NAME,DEPT_ABBREVIATION) values ('fin','jindal');
Insert into TRACK (NAME,DEPT_ABBREVIATION) values ('acct','jindal');
REM INSERTING into COURSE
SET DEFINE OFF;
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1000,'CS1',3,'eecs');
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1001,'CS2',3,'eecs');
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1002,'CS3',3,'eecs');
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1003,'Management I',3,'jindal');
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1004,'Management II',3,'jindal');
Insert into COURSE (COURSE_NUMBER,NAME,CREDIT_HOUR,DEPT_ABBREVIATION) values (1005,'Management
III',3,'jindal');
REM INSERTING into COURSE_TEXTBOOK
SET DEFINE OFF;
Insert into COURSE_TEXTBOOK (COURSE_NUMBER,TEXTBOOK) values (1001,'book1');
Insert into COURSE_TEXTBOOK (COURSE_NUMBER,TEXTBOOK) values (1001,'book2');
Insert into COURSE_TEXTBOOK (COURSE_NUMBER,TEXTBOOK) values (1002,'book2');
Insert into COURSE_TEXTBOOK (COURSE_NUMBER,TEXTBOOK) values (1003,'book3');
REM INSERTING into RA_WORK_ASSIGNMENT
SET DEFINE OFF;
Insert into RA_WORK_ASSIGNMENT (WORKLOAD,PROF_NET_ID,RA_NET_ID,ROOM_NUMBER,BUILDING_ABBREVIATION)
values (35.63,'10000','10030',1012,'eecs');
Insert into RA_WORK_ASSIGNMENT (WORKLOAD,PROF_NET_ID,RA_NET_ID,ROOM_NUMBER,BUILDING_ABBREVIATION)
values (23.92,'10008','10031',1013,'eecs');
Insert into RA_WORK_ASSIGNMENT (WORKLOAD,PROF_NET_ID,RA_NET_ID,ROOM_NUMBER,BUILDING_ABBREVIATION)
values (39.56,'10012','10032',1014,'eecs');
Insert into RA_WORK_ASSIGNMENT (WORKLOAD,PROF_NET_ID,RA_NET_ID,ROOM_NUMBER,BUILDING_ABBREVIATION)
values (36.28,'10001','10033',1013,'jindal');
Insert into RA_WORK_ASSIGNMENT (WORKLOAD,PROF_NET_ID,RA_NET_ID,ROOM_NUMBER,BUILDING_ABBREVIATION)
values (28.35,'10006','10034',1013,'jindal');
REM INSERTING into RUN
SET DEFINE OFF;
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10000','eecs',1012);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10001','eecs',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10002','jindal',1012);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10003','jindal',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10004','eecs',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10005','eecs',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10006','jindal',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10007','jindal',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10008','eecs',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10009','jindal',1013);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10010','eecs',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10011','jindal',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10012','eecs',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10013','jindal',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10014','eecs',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10015','jindal',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10016','eecs',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10017','jindal',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10018','eecs',1014);
Insert into RUN (PROF_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values ('10019','jindal',1014);
REM INSERTING into SECTION
SET DEFINE OFF;
Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1000,1,2014,'fall',90,160,'10004','eecs',1010);
Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1000,2,2014,'fall',90,60,'10005','eecs',1011);
Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1000,3,2014,'fall',90,60,'10008','eecs',1010);
Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1000,1,2014,'spring',90,60,'10010','eecs',1011);
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[illegible]

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Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1005,1,2014,'spring',90,45,'10028','jindal',1011);
Insert into SECTION
(COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,CLASS_TIME,CAPACITY,INSTRUCTOR_NET_ID,BUILDING_ABBREVIATION,ROOM_NUMBER) values (1005,2,2014,'spring',90,45,'10029','jindal',1010);
REM INSERTING into SECTION_HAS_TA
SET DEFINE OFF;
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10035',1000,1,2014,'fall',22.31);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10036',1000,2,2014,'fall',36.5);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10037',1000,3,2014,'fall',20.91);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10035',1000,1,2014,'spring',23.93);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10036',1000,2,2014,'spring',26.85);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10037',1001,1,2014,'fall',28.91);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10035',1001,2,2014,'fall',33.68);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10036',1001,3,2014,'fall',37.56);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10037',1001,1,2014,'spring',37.32);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10035',1001,2,2014,'spring',26.59);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10036',1002,1,2014,'fall',29.69);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10037',1002,2,2014,'fall',34.89);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10035',1002,3,2014,'fall',31.04);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10036',1002,1,2014,'spring',38.35);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10037',1002,2,2014,'spring',38.91);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1003,1,2014,'fall',20.43);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1003,2,2014,'fall',34.44);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1003,3,2014,'fall',38.62);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1003,1,2014,'spring',30.75);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1003,2,2014,'spring',36.73);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1004,1,2014,'fall',28.48);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1004,2,2014,'fall',34.6);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1004,3,2014,'fall',24.45);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1004,1,2014,'spring',35.87);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1004,2,2014,'spring',29.67);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1005,1,2014,'fall',33.72);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1005,2,2014,'fall',34.67);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1005,3,2014,'fall',35.63);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10039',1005,1,2014,'spring',27.26);
Insert into SECTION_HAS_TA (TA_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,WORKLOAD) values ('10038',1005,2,2014,'spring',38.17);
REM INSERTING into STUDENT_PREREQUISITE
SET DEFINE OFF;
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10030',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10031',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10035',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10036',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10041',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10042',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10045',1000);
Insert into STUDENT_PREREQUISITE (STUDENT_NET_ID,COURSE_NUMBER) values ('10048',1003);
REM INSERTING into TAKE
SET DEFINE OFF;
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values ('10030',1000,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values ('10031',1000,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values ('10032',1000,3,2014,'fall',null);
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Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10035',1000,1,2014,'spring',2.04);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10036',1000,2,2014,'spring',2.33);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10037',1001,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10040',1001,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10041',1001,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10042',1001,1,2014,'spring',2.14);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10045',1001,2,2014,'spring',3.33);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10046',1002,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10047',1002,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10030',1002,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10031',1002,1,2014,'spring',3.16);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10032',1002,2,2014,'spring',3.54);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10033',1003,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10034',1003,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10038',1003,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10039',1003,1,2014,'spring',2.89);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10043',1003,2,2014,'spring',2.77);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10044',1004,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10048',1004,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10049',1004,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10033',1004,1,2014,'spring',3.22);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10034',1004,2,2014,'spring',2.41);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10038',1005,1,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10039',1005,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10043',1005,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10044',1005,1,2014,'spring',3.69);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10048',1005,2,2014,'spring',3.27);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10049',1005,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10030',1001,3,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10031',1001,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10034',1005,2,2014,'fall',null);
Insert into TAKE (STUDENT_NET_ID,COURSE_NUMBER,SECTION_NUMBER,YEAR,SEMESTER,GRADE) values
('10044',1003,1,2014,'fall',null);
REM INSERTING into TRACK_CORE_COURSE
SET DEFINE OFF;
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('acct',1003);
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('cs',1000);
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('cs',1001);
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('fin',1004);
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('se',1001);
Insert into TRACK_CORE_COURSE (TRACK_NAME,COURSE_NUMBER) values ('se',1002);
REM INSERTING into ADVICE
SET DEFINE OFF;
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10000','10030');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10001','10031');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10002','10033');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10003','10034');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10004','10032');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10005','10035');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10006','10038');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10007','10039');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10008','10036');
Insert into ADVICE (PROF_NET_ID,STUDENT_NET_ID) values ('10010','10037');
ALTER TABLE DEPARTMENT ENABLE CONSTRAINT fk_department;
ALTER TABLE STUDENT ENABLE CONSTRAINT fk_student_2;
```