Lecture 08 – Homework

For this homework you will start in the postgres database.

You will submit your query file that will:

Perform a ‘SELECT current\_database(); ‘

Create a new database ( hw08)

Connect to hw08

Perform a ‘SELECT current\_database(); ‘

Create the Schema below in database hw08

Once you have created the DB You will perform the following commands / operations

#1 \d

#2 \d employee

#3 \d meeting

#4 \d room

#5 \d building

#6 \d attendees

#7 connect to Postgres and delete the DB hw08

Then Perform a ‘SELECT current\_database(); ‘

**Schema for DB**

Diagram, engineering drawing

Description automatically generated

**Output**

Student Name

current\_database

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postgres

(1 row)

CREATE DATABASE

current\_database

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hw08

(1 row)

CREATE TABLE

CREATE TABLE

CREATE TABLE

CREATE TABLE

CREATE TABLE

CREATE TABLE

CREATE TABLE

CREATE TABLE

#1

List of relations

Schema | Name | Type | Owner

--------+---------------------+----------+----------

public | attendees | table | postgres

public | building | table | postgres

public | building\_id\_seq | sequence | postgres

public | employee | table | postgres

public | employee\_id\_seq | sequence | postgres

public | meeting | table | postgres

public | meeting\_id\_seq | sequence | postgres

public | phone\_number | table | postgres

public | phone\_number\_id\_seq | sequence | postgres

public | phone\_type | table | postgres

public | room | table | postgres

public | room\_id\_seq | sequence | postgres

public | state | table | postgres

(13 rows)

#2

Table "public.employee"

Column | Type | Collation | Nullable | Default

-----------------+------------------------+-----------+----------+--------------------------------------

id | integer | | not null | nextval('employee\_id\_seq'::regclass)

employee\_number | character varying(10) | | not null |

first\_name | character varying(30) | | not null |

middle\_name | character varying(30) | | |

last\_name | character varying(30) | | not null |

email | character varying(100) | | not null |

supervisorid | integer | | |

Indexes:

"employee\_pkey" PRIMARY KEY, btree (id)

"employee\_email\_key" UNIQUE CONSTRAINT, btree (email)

"employee\_employee\_number\_key" UNIQUE CONSTRAINT, btree (employee\_number)

Foreign-key constraints:

"employee\_supervisorid\_fkey" FOREIGN KEY (supervisorid) REFERENCES employee(id) DEFERRABLE INITIALLY DEFERRED

Referenced by:

TABLE "attendees" CONSTRAINT "attendees\_employeeid\_fkey" FOREIGN KEY (employeeid) REFERENCES employee(id)

TABLE "employee" CONSTRAINT "employee\_supervisorid\_fkey" FOREIGN KEY (supervisorid) REFERENCES employee(id) DEFERRABLE INITIALLY DEFERRED

TABLE "meeting" CONSTRAINT "meeting\_creator\_fkey" FOREIGN KEY (creator) REFERENCES employee(id)

TABLE "phone\_number" CONSTRAINT "phone\_number\_employeeid\_fkey" FOREIGN KEY (employeeid) REFERENCES employee(id)

#3

Table "public.meeting"

Column | Type | Collation | Nullable | Default

------------+-----------------------------+-----------+----------+-------------------------------------

id | integer | | not null | nextval('meeting\_id\_seq'::regclass)

roomid | integer | | not null |

start\_time | timestamp without time zone | | not null |

duration | interval | | not null |

purpose | character varying(30) | | not null |

agenda | character varying(120) | | |

creator | integer | | not null |

Indexes:

"meeting\_pkey" PRIMARY KEY, btree (id)

Foreign-key constraints:

"meeting\_creator\_fkey" FOREIGN KEY (creator) REFERENCES employee(id)

"meeting\_roomid\_fkey" FOREIGN KEY (roomid) REFERENCES room(id)

Referenced by:

TABLE "attendees" CONSTRAINT "attendees\_meetingid\_fkey" FOREIGN KEY (meetingid) REFERENCES meeting(id)

#4

Table "public.room"

Column | Type | Collation | Nullable | Default

-------------+-----------------------+-----------+----------+----------------------------------

id | integer | | not null | nextval('room\_id\_seq'::regclass)

room\_number | character varying(10) | | not null |

buildingid | integer | | not null |

capacity | integer | | not null |

Indexes:

"room\_pkey" PRIMARY KEY, btree (id)

Foreign-key constraints:

"room\_buildingid\_fkey" FOREIGN KEY (buildingid) REFERENCES building(id)

Referenced by:

TABLE "meeting" CONSTRAINT "meeting\_roomid\_fkey" FOREIGN KEY (roomid) REFERENCES room(id)

#5

Table "public.building"

Column | Type | Collation | Nullable | Default

---------------+-----------------------+-----------+----------+--------------------------------------

id | integer | | not null | nextval('building\_id\_seq'::regclass)

building\_name | character varying(20) | | not null |

address1 | character varying(30) | | not null |

address2 | character varying(30) | | |

city | character varying(30) | | not null |

zip | character varying(5) | | not null |

stateid | character varying(2) | | not null |

Indexes:

"building\_pkey" PRIMARY KEY, btree (id)

Foreign-key constraints:

"building\_stateid\_fkey" FOREIGN KEY (stateid) REFERENCES state(id)

Referenced by:

TABLE "room" CONSTRAINT "room\_buildingid\_fkey" FOREIGN KEY (buildingid) REFERENCES building(id)

#6

Table "public.attendees"

Column | Type | Collation | Nullable | Default

------------+---------+-----------+----------+---------

meetingid | integer | | not null |

employeeid | integer | | not null |

Indexes:

"attendees\_pkey" PRIMARY KEY, btree (meetingid, employeeid)

Foreign-key constraints:

"attendees\_employeeid\_fkey" FOREIGN KEY (employeeid) REFERENCES employee(id)

"attendees\_meetingid\_fkey" FOREIGN KEY (meetingid) REFERENCES meeting(id)

#7

current\_database

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postgres

(1 row)

DROP DATABASE