

## Lab 5 Report Images:

First I logged into my designated lab machine - wch 133-38.

Next I copied over the lab 5 zip folder to the /tmp folder.

Then I unzipped the folder with unzip lab5.zip

Then I ran source ./startPostgreSQL.sh inside the /tmp folder

Next I ran source ./createPostgreSQL.sh

Next I prepared the database with the given data with:

cp \*.txt /tmp/\$USER/myDB/data/

```
asher011@wch133-38 $ cp *.txt /tmp/$USER/myDB/data/
/tmp
```

psql -h localhost -p \$PGPORT \$USER"\_DB" < chapter5.sql

```
/tmp
asher011@wch133-38 $ psql -h localhost -p $PGPORT $USER"_DB" < chapter5.sql
ERROR: table "student" does not exist
ERROR: table "faculty" does not exist
ERROR: table "class" does not exist
ERROR: table "enrolled" does not exist
ERROR: table "emp" does not exist
ERROR: table "works" does not exist
ERROR: table "dept" does not exist
ERROR: table "flights" does not exist
ERROR: table "aircraft" does not exist
ERROR: table "certified" does not exist
ERROR: table "employees" does not exist
ERROR: table "suppliers" does not exist
ERROR: table "parts" does not exist
ERROR: table "catalog" does not exist
ERROR: table "sailors" does not exist
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "student_pkey" for table "student"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "faculty_pkey" for table "faculty"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "class_pkey" for table "class"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "enrolled_pkey" for table "enrolled"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "emp_pkey" for table "emp"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "dept_pkey" for table "dept"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "works_pkey" for table "works"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "flights_pkey" for table "flights"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "aircraft_pkey" for table "aircraft"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "employees_pkey" for table "employees"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "employees_pkey" for table "employees"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "certified_pkey" for table "certified"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "suppliers_pkey" for table "suppliers"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "parts_pkey" for table "parts"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "catalog_pkey" for table "catalog"
CREATE TABLE
NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "sailors_pkey" for table "sailors"
CREATE TABLE
COPY 4
COPY 9
COPY 11
/tmp
```

Next I provide the database with my queries.sql file

psql -h localhost -p \$PGPORT \$USER"\_DB" < queries.sql

```
/tmp
asher011@wch133-38 $ psql -h localhost -p $PGPORT $USER"_DB" < queries.sql
pid
-----
 3
 4
 3
 8
 9
 5
(6 rows)

      pname
-----
Acme Widget Washer
Acme Widget Washer
Acme Widget Washer
Fire Hydrant Cap
7 Segment Display
I Brake for Crop Circles Sticker
(6 rows)

      address
-----
1 Grub St., Potemkin Village, IL 61801
4 My Way, Bermuda Shorts, OR 90305
99999 Short Pier, Terra Del Fuego, TX 41
(3 rows)

      sname
-----
Perfunctory Parts
(1 row)

      sname      |      pname
-----+-----
```

sname	pname
Acme Widget Suppliers	Acme Widget Washer
Acme Widget Suppliers	Acme Widget Washer
Acme Widget Suppliers	Fire Hydrant Cap
Big Red Tool and Die	Acme Widget Washer
Big Red Tool and Die	Fire Hydrant Cap
Big Red Tool and Die	Left Handed Bacon Stretcher Cover
Perfunctory Parts	Fire Hydrant Cap
Perfunctory Parts	7 Segment Display
Alien Aircraft Inc.	I Brake for Crop Circles Sticker
Alien Aircraft Inc.	Anti-Gravity Turbine Generator
Alien Aircraft Inc.	Anti-Gravity Turbine Generator

(11 rows)

```
/tmp
asher011@wch133-38 $
```

Below are the contents of my queries.sql file:

```
/tmp
asher011@wch133-38 $ vi queries.sql
SELECT P.pid
FROM Parts P, Catalog C
WHERE P.pid=C.pid AND C.cost<10;

SELECT P.pname
FROM Parts P, Catalog C
WHERE P.pid=C.pid AND C.cost<10;

SELECT S.address
FROM Suppliers S, Parts P, Catalog C
WHERE S.sid=C.sid AND P.pid=C.pid AND P.pname='Fire Hydrant Cap';

SELECT S.sname
FROM Suppliers S, Parts P, Catalog C
WHERE S.sid=C.sid AND P.pid=C.pid AND P.color='Green';

SELECT S.sname, P.pname
FROM Suppliers S, Parts P, Catalog C
WHERE S.sid=C.sid AND P.pid=C.pid;
```

This queries.sql is the sql file I will submit in elearn along with this report and along with my two output images.

I then ran source ./stopPostgreDB.sh to shut down the database.