Worksheet 9

Submission Instructions: Submit a text file or a pdf file with your answers. Name your file as last- nameFirstnameW9.fileExtension (e.g., chaturvediRituW9.txt). Hand-written answers will not be accepted.

Question 1: Complete the given CREATE TABLE command to create an (empty) table test that has the following structure and constraints.

```
          Table "public.test"
 Column |         Type          |   Constraints
--------+-----------------------+---------------
 sno    | character varying(3)  |  primary key
 sname  | character varying(10) |  not null
 status | integer               |  status > 20
 city   | character varying(10) |  cannot start with letter 'R'
```

```
CREATE TABLE test (sno      VARCHAR (3) _____,
                   sname    _____,
                   status   INTEGER    _____,
                   city     VARCHAR(10) _____);
```

Question 2a. What is the result of SELECT * FROM test; after the scenario given below?

```
1    CHATURVR=> BEGIN;
2    BEGIN
3    CHATURVR=> INSERT INTO TEST VALUES ('S1', 'ARTHUR', 24, 'GUELPH');
4    INSERT 0 1
5    CHATURVR=> INSERT INTO TEST VALUES ('S2', 'DORA', 25, 'GUELPH');
6    INSERT 0 1
7    CHATURVR=> INSERT INTO TEST VALUES ('S3', 'FLORA', 15, 'GUELPH');
8    ERROR:  new row for relation "test" violates check constraint "test_status_check"
9    DETAIL:  Failing row contains ('S3', 'FLORA', 15, 'GUELPH').
10   CHATURVR=> END;
11   ROLLBACK
12   CHATURVR=>
```

2b. What is the result of SELECT * FROM test; after the scenario given below?

```
CHATURVR=> INSERT INTO TEST VALUES ('S1', 'ARTHUR', 24, 'GUELPH');
INSERT 0 1
CHATURVR=> INSERT INTO TEST VALUES ('S2', 'DORA', 25, 'GUELPH');
INSERT 0 1
CHATURVR=> INSERT INTO TEST VALUES ('S3', 'FLORA', 15, 'GUELPH');
ERROR:  new row for relation "test" violates check constraint "test_status_check"
DETAIL:  Failing row contains ('S3', 'FLORA', 15, 'GUELPH').
CHATURVR=> ROLLBACK;
```

Question 3. Complete the following CREATE TABLE command that creates a table called temp from existing tables S and SP (use these tables from lab2). It stores supplier name and the total number of parts supplied by each supplier as shown below:

```
chaturvr=> SELECT * FROM temp;
 sname | # of Parts
-------+------------
 SMITH |          1
 CLARK |          1
 JONES |          2
 BLAKE |          2
 ADAMS |          6
(5 rows)
```

CREATE TABLE temp AS _____