1. Right click on the Databases to create new database as shown below:
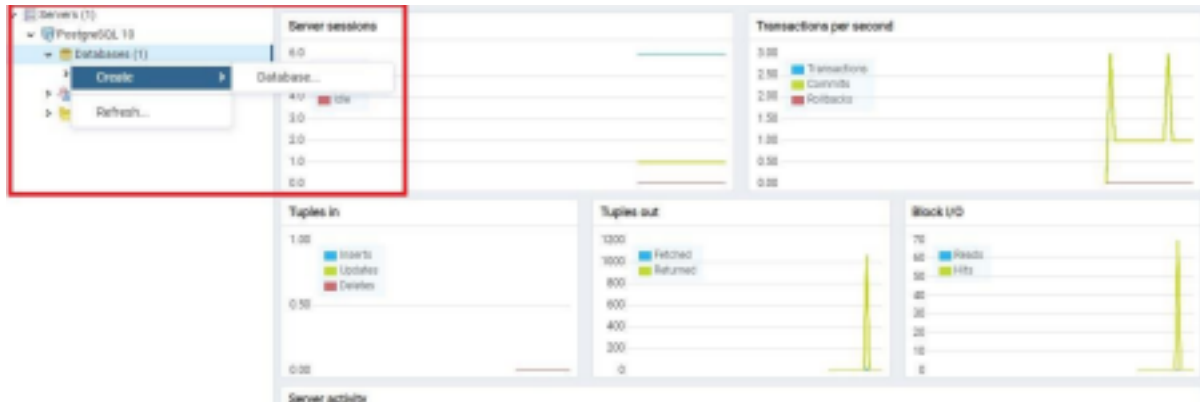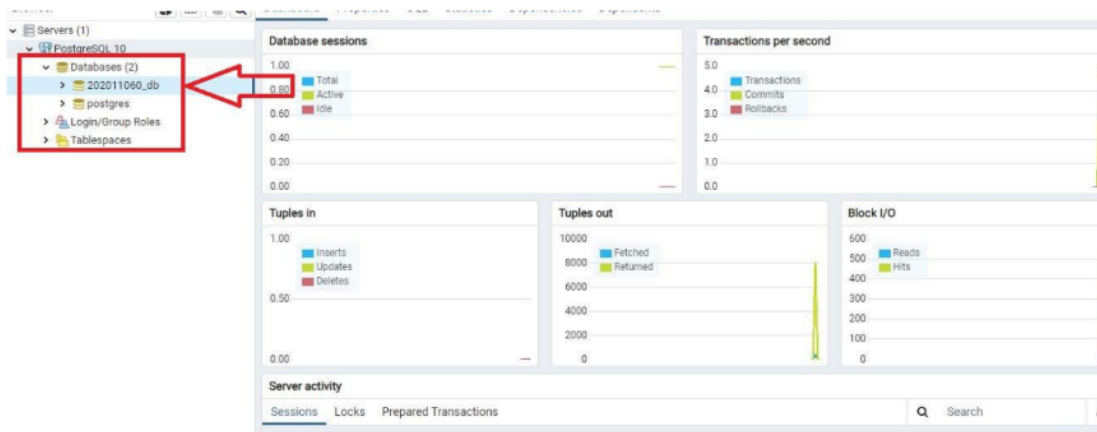

2. Create a database with the name as <your_id>_db.

If your id is 202001001 then create database having name as 202001001_db

3. You can see the created database here.

Open Query tool by right clicking the created schema and execute the following queries to create required tables:

SET SEARCH_PATH TO "TPCH_DB";

CREATE TABLE NATION (N_NATIONKEY INTEGER NOT NULL,
                N_NAME   CHAR(25) NOT NULL,
                N_REGIONKEY INTEGER NOT NULL,
                N_COMMENT   VARCHAR(152),
                 EXTRA VARCHAR(20));

CREATE TABLE REGION (R_REGIONKEY INTEGER NOT NULL,
                R_NAME   CHAR(25) NOT NULL,
                R_COMMENT   VARCHAR(152),
                 EXTRA VARCHAR(20));

CREATE TABLE PART (P_PARTKEY   INTEGER NOT NULL,
              P_NAME   VARCHAR(55) NOT NULL,
              P_MFGR   CHAR(25) NOT NULL,
              P_BRAND   CHAR(10) NOT NULL,
              P_TYPE   VARCHAR(25) NOT NULL,
              P_SIZE   INTEGER NOT NULL,
              P_CONTAINER   CHAR(10) NOT NULL,
              P_RETAILPRICE DECIMAL(15,2) NOT NULL,
              P_COMMENT   VARCHAR(23) NOT NULL,
               EXTRA VARCHAR(20));

```sql
CREATE TABLE SUPPLIER ( S_SUPPKEY    INTEGER NOT NULL,
                S_NAME       CHAR(25) NOT NULL,
                S_ADDRESS    VARCHAR(40) NOT NULL,
                S_NATIONKEY  INTEGER NOT NULL,
                S_PHONE      CHAR(15) NOT NULL,
                S_ACCTBAL    DECIMAL(15,2) NOT NULL,
                S_COMMENT    VARCHAR(101) NOT NULL,
                EXTRA VARCHAR(20));

CREATE TABLE PARTSUPP ( PS_PARTKEY    INTEGER NOT NULL,
                PS_SUPPKEY    INTEGER NOT NULL,
                PS_AVAILQTY   INTEGER NOT NULL,
                PS_SUPPLYCOST  DECIMAL(15,2)  NOT NULL,
                PS_COMMENT    VARCHAR(199) NOT NULL,
                EXTRA VARCHAR(20));

CREATE TABLE CUSTOMER ( C_CUSTKEY    INTEGER NOT NULL,
                C_NAME       VARCHAR(25) NOT NULL,
                C_ADDRESS    VARCHAR(40) NOT NULL,
                C_NATIONKEY  INTEGER NOT NULL,
                C_PHONE      CHAR(15) NOT NULL,
                C_ACCTBAL    DECIMAL(15,2)  NOT NULL,
                C_MKTSEGMENT  CHAR(10) NOT NULL,
                C_COMMENT    VARCHAR(117) NOT NULL,
                EXTRA VARCHAR(20));

CREATE TABLE ORDERS  ( O_ORDERKEY     INTEGER NOT NULL,
                O_CUSTKEY      INTEGER NOT NULL,
                O_ORDERSTATUS   CHAR(1) NOT NULL,
                O_TOTALPRICE    DECIMAL(15,2) NOT NULL,
                O_ORDERDATE     DATE NOT NULL,
                O_ORDERPRIORITY  CHAR(15) NOT NULL,
                O_CLERK        CHAR(15) NOT NULL,
                O_SHIPPRIORITY   INTEGER NOT NULL,
                O_COMMENT       VARCHAR(79) NOT NULL,
                EXTRA VARCHAR(20));

CREATE TABLE LINEITEM ( L_ORDERKEY    INTEGER NOT NULL,
                L_PARTKEY     INTEGER NOT NULL,
                L_SUPPKEY     INTEGER NOT NULL,
                L_LINENUMBER  INTEGER NOT NULL,
                L_QUANTITY    DECIMAL(15,2) NOT NULL,
```

```
                L_EXTENDEDPRICE  DECIMAL(15,2) NOT NULL,
                L_DISCOUNT    DECIMAL(15,2) NOT NULL,
                L_TAX         DECIMAL(15,2) NOT NULL,
                L_RETURNFLAG  CHAR(1) NOT NULL,
                L_LINESTATUS  CHAR(1) NOT NULL,
                L_SHIPDATE    DATE NOT NULL,
                L_COMMITDATE  DATE NOT NULL,
                L_RECEIPTDATE DATE NOT NULL,
                L_SHIPINSTRUCT CHAR(25) NOT NULL,
                L_SHIPMODE    CHAR(10) NOT NULL,
                L_COMMENT     VARCHAR(44) NOT NULL,
                 EXTRA VARCHAR(20));
```

Use the provided zip file to populate the created tables. (Use the locations on your machine)

https://drive.google.com/file/d/1_9s9w4gLtuC0WMloty_qpQO0VSeOOb0_/view?usp=sharing

```
COPY nation FROM 'C:\TPC_H\nation.tbl' (DELIMITER('|'));
COPY customer FROM 'C:\TPC_H\customer.tbl' (DELIMITER('|'));
COPY orders FROM 'C:\TPC_H\orders.tbl' (DELIMITER('|'));
COPY lineitem FROM 'C:\TPC_H\lineitem.tbl' (DELIMITER('|'));
COPY partsupp FROM 'C:\TPC_H\partsupp.tbl' (DELIMITER('|'));
COPY part FROM 'C:\TPC_H\part.tbl' (DELIMITER('|'));
COPY region FROM 'C:\TPC_H\region.tbl' (DELIMITER('|'));
COPY supplier FROM 'C:\TPC_H\supplier.tbl' (DELIMITER('|'));
```

Add the key constraints by executing the following commands:

```
ALTER TABLE REGION
ADD PRIMARY KEY (R_REGIONKEY);

ALTER TABLE NATION
ADD PRIMARY KEY (N_NATIONKEY);

ALTER TABLE NATION
ADD FOREIGN KEY (N_REGIONKEY) references REGION(R_REGIONKEY);
```

```
ALTER TABLE PART
ADD PRIMARY KEY (P_PARTKEY);

ALTER TABLE SUPPLIER
ADD PRIMARY KEY (S_SUPPKEY);

ALTER TABLE SUPPLIER
ADD FOREIGN KEY (S_NATIONKEY) references NATION(N_NATIONKEY);

ALTER TABLE PARTSUPP
ADD PRIMARY KEY (PS_PARTKEY,PS_SUPPKEY);

ALTER TABLE CUSTOMER
ADD PRIMARY KEY (C_CUSTKEY);

ALTER TABLE CUSTOMER
ADD FOREIGN KEY (C_NATIONKEY) references NATION(N_NATIONKEY);

ALTER TABLE LINEITEM
ADD PRIMARY KEY (L_ORDERKEY,L_LINENUMBER);

ALTER TABLE PARTSUPP
ADD FOREIGN KEY (PS_SUPPKEY) references SUPPLIER(S_SUPPKEY);

ALTER TABLE PARTSUPP
ADD FOREIGN KEY (PS_PARTKEY) references PART(P_PARTKEY);

ALTER TABLE ORDERS
ADD FOREIGN KEY (O_CUSTKEY) references CUSTOMER(C_CUSTKEY);

ALTER TABLE ORDERS
ADD PRIMARY KEY (O_ORDERKEY);

ALTER TABLE LINEITEM
ADD FOREIGN KEY (L_ORDERKEY)  references ORDERS(O_ORDERKEY);

ALTER TABLE LINEITEM
ADD FOREIGN KEY (L_PARTKEY,L_SUPPKEY) references PARTSUPP(PS_PARTKEY,
PS_SUPPKEY);
```