

BDA Assignment 1

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GitHub Repository containing assignment 1 Files: <https://github.com/BilalNaseem1/Big-Data-Analytics-IBA-Spring-23/tree/main/Assignments/Assignment%201%20-%20Getting%20to%20know%20Docker>

Video Link: <https://youtu.be/XMUKA4Lnm8Q>

List of Commands used in the video:

Running Postgres in Docker Container

```
docker pull postgres
```

```
docker run --name postgres -d -p 2022:5432 -e POSTGRES_PASSWORD=postgres -d postgres
```

Checking Container Status

```
docker ps
```

```
psql -U postgres
```

Getting list of Tables

```
\l
```

Creating a Database

```
CREATE DATABASE weather;
```

Creating a Table

```
CREATE TABLE temp (  
    city          varchar(80),  
    temp_lo       int,          -- low temperature  
    temp_hi       int,          -- high temperature  
    prcp          real,         -- precipitation  
    date          date  
);
```

Populating the Table

```
INSERT INTO temp VALUES ('San Francisco', 46, 56, 0.25, '2023-11-27');
```

```
INSERT INTO temp VALUES ('New York', 50, 46, 0.32, '2022-10-13');
```

```
INSERT INTO temp VALUES ('Seattle', 32, 40, 0.19, '2020-09-12');
```