CREATE DATABASE school;

-------------CREATING TABLES----------------

CREATE TABLE students

(

id\_number serial PRIMARY KEY,

first\_name varchar(20),

sur\_name varchar(20),

class\_nr int,

birth\_date date,

address\_st varchar(20),

address\_city varchar(20)

);

INSERT INTO students

(first\_name,sur\_name,class\_nr,birth\_date,address\_st,address\_city)

VALUES

('Paweł', 'Banach', 4,'17/05/1998', 'JP2', 'Cracow'),

('Kamil', 'Cekalrz', 5,'17/06/1998', 'Dluga', 'Cracow'),

('Arek', 'Drag', 5,'10/05/1996', 'Zielona', 'Cracow'),

('Mateusz', 'Drag', 4,'17/05/1997', 'Szkolna', 'Cracow'),

('Paweł', 'Drag', 3,'17/05/1996', 'Pokoju', 'Cracow'),

('Roksana', 'Drag', 4,'17/11/1998', 'Długa', 'Cracow'),

('Karol', 'Drag', 3,'19/12/1999', 'JP2', 'Cracow'),

('Michał', 'Hornik', 3,'27/06/2000', 'Mała', 'Wieliczka'),

('Jan', 'Kowalski', 4,'24/01/1998', 'Szkolna', 'Wieliczka'),

('Piotr', 'Michalak', 3,'17/07/1999', 'Długa', 'Cracow'),

('Grzegorz', 'Michalak', 4,'17/10/1998', 'Długa', 'Cracow'),

('Paweł', 'Nowak', 5,'10/04/1997', 'Miła', 'Cracow'),

('Paweł', 'Nowak', 5,'07/02/1997', 'Czerowna', 'Cracow'),

('Anna', 'Nowak', 4,'10/03/1998', 'Miła', 'Cracow'),

('Paweł', 'Szaflarski', 5,'11/08/1997', 'Szkolna', 'Cracow'),

('Paulina', 'Witczak', 4,'10/06/1999', 'Czerowna', 'Wieliczka'),

('Julia', 'Ząb', 5,'11/11/1997', 'JP2', 'Cracow')

SELECT\*FROM students

CREATE TABLE teachers

(

teacher\_id serial PRIMARY KEY,

first\_name varchar(20),

sur\_name varchar(20),

subject varchar(20),

experience\_in\_years integer

);

INSERT INTO teachers (first\_name,sur\_name,subject, experience\_in\_years)

VALUES

('Anna', 'Nowak', 'Math', 10),

('Andrzej', 'Kowalski',' Biology',2),

('Mikołaj','Polański', 'Chemistry',4),

('Joanna', 'Kaleta','History',12),

('Piotr', 'Hall','Geography',1),

('Paulina','Kosa','Art',25),

('Milena','Żurek','English',7);

SELECT\*FROM teachers

CREATE TABLE subject\_grades

(

grade\_id serial PRIMARY KEY,

student\_id integer,

FOREIGN KEY (student\_id) REFERENCES students(id\_number),

grade integer,

subject integer,

FOREIGN KEY (subject) REFERENCES teachers(teacher\_id)

);

INSERT INTO subject\_grades (student\_id,grade,subject)

VALUES

( In this table I used Python to create 2000 grades.  
Code below:

import random

lists=[]

for i in range(2000):

tupla=(random.randint(1,17),random.randint(1,6),random.randint(1,7))

lists.append(tupla)

)