LAB 3

DDL -data definition language,used for creating schema of a database (creating tables).

Examples:

1. create table - table 1(id serial primary key, name varchar age int)
2. drop table
3. alter table (add column\_name)

DML - data manipulation language, used for changing data inside of the tables.

Examples:

1. select \* from table
2. Insert into – (name,age), values (‘Mark’,16)
3. Update
4. Delete from

2) create table customers(

id SERIAL PRIMARY KEY,

full\_name VARCHAR(50),

timestamp\_ TIMESTAMP ,

delivery\_address TEXT

);

create table orders(

code INT PRIMARY KEY,

customer\_id INT REFERENCES customers(id) on update cascade on delete cascade,

total\_sum DOUBLE PRECISION,

is\_paid BOOLEAN

);

drop table order\_items;

create table order\_items(

order\_code INT REFERENCES orders(code) on update cascade on delete cascade,

product\_id VARCHAR REFERENCES products(id) on update cascade on delete cascade,

quantity INT,

UNIQUE(order\_code,product\_id)

);

create table products(

id VARCHAR PRIMARY KEY,

name\_ VARCHAR NOT NULL UNIQUE,

description TEXT,

price DOUBLE PRECISION

);

3)

create table student(

full\_name VARCHAR(50) PRIMARY KEY,

age INT,

birth\_date DATE,

gender VARCHAR,

average\_grade DOUBLE PRECISION,

description TEXT,

dormitory\_status BOOLEAN,

other TEXT

);

create table instructor(

full\_name VARCHAR(50) PRIMARY KEY,

languages VARCHAR,

work\_experience TEXT,

remote\_lessons BOOLEAN

);

create table lesson\_partisipants(

lesson\_title VARCHAR,

teaching instructor VARCHAR REFERENCES instructor(full\_name),

studying\_students TEXT,

room\_number INT

);

4)

INSERT INTO customers (full\_name,timestamp,delivery\_address)

VALUES ('Nurs',now(),'Машхур Жусупа 33а');

UPDATE customers SET delivery\_address = 'Заслонова 54а'

WHERE full\_name = 'Nurs';

DELETE FROM customers WHERE full\_name = 'Nurs';