1)Difference between DDL and DML is that DML is used to access, modify or retrieve the <u>data from the database</u>, whereas DDL is used to <u>specify the database schema database structure.</u>

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a)-CREATE(create table/tablespace/...);
-DROP(drop table/database/...);
-ALTER(ALTER TABLE table name ADD column name ...).
b)-INSERT(INSERT INTO table_name() VALUES(););
-UPDATE(UPDATE table name SET ... WHERE ...);
-DELETE(DELETE FROM table_name WHERE ...).
-SELECT(SELECT columns... FROM table name);
2)create table customers(
             SERIAL PRIMARY KEY,
  id
  full_name
                VARCHAR(50),
  timestamp_
                 TIMESTAMP,
  delivery_address TEXT
);
create table orders(
  code
              INT PRIMARY KEY,
                 INT REFERENCES customers(id) on update cascade on delete
  customer id
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,
              VARCHAR NOT NULL UNIQUE,
  name
  description
               TEXT,
  price
             DOUBLE PRECISION
);
```

```
3)
create table student(
  full_name
                  VARCHAR(50) PRIMARY KEY,
                  INT,
  age
  birth_date
                  DATE.
  gender
                  VARCHAR,
  average_grade
                  DOUBLE PRECISION,
  description
                  TEXT,
  dormitory_status BOOLEAN,
                   TEXT
  other
);
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,
                    INT
  room_number
);
INSERT INTO customers (full_name,timestamp,delivery_address)
VALUES ('Nurs',now(),'Машхур Жусупа 33a');
UPDATE customers
SET delivery_address = 'Заслонова 54a'
WHERE full_name = 'Nurs';
DELETE FROM customers WHERE full_name = 'Nurs';
```