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| --- | --- | --- |
| СУБД | | |
| Кафедра ЭВМ  Лабораторная работа № 1 | Фамилия студента | Шишкин Г.А. |
| Группа | ИВТ-460 |
| Дата выполнения |  |
| Дата отчета |  |
| Оценка (баллы) |  |
| Подпись преподавателя с расшифровкой |  |

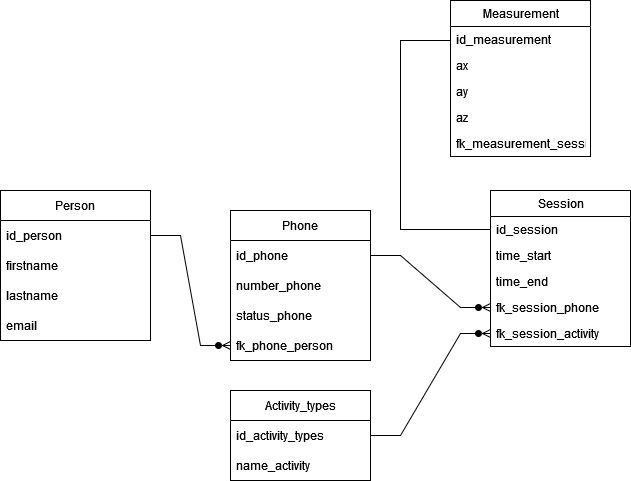


Рисунок 1 – Схема бд

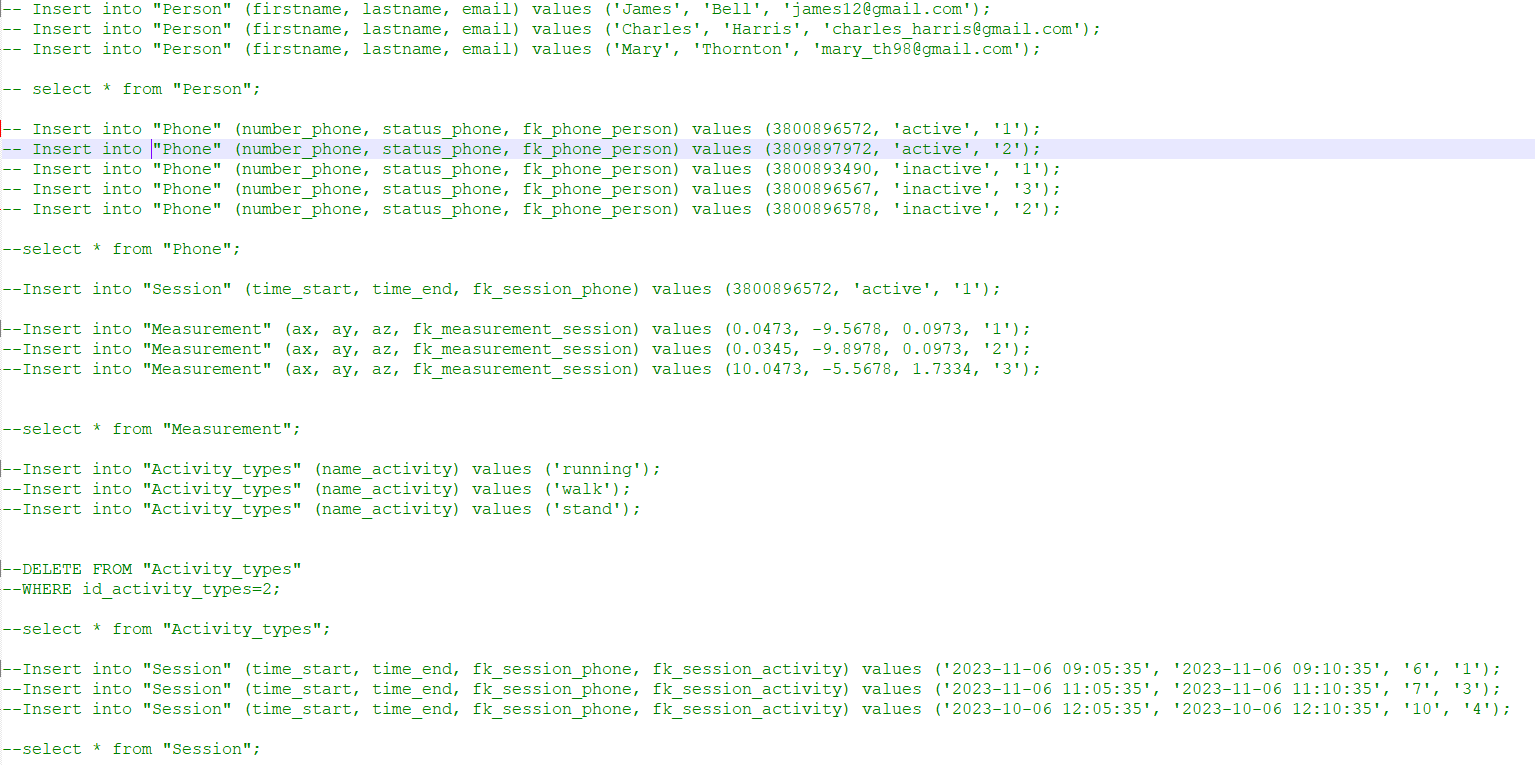


Рисунок 2 – Код sql заполнения бд

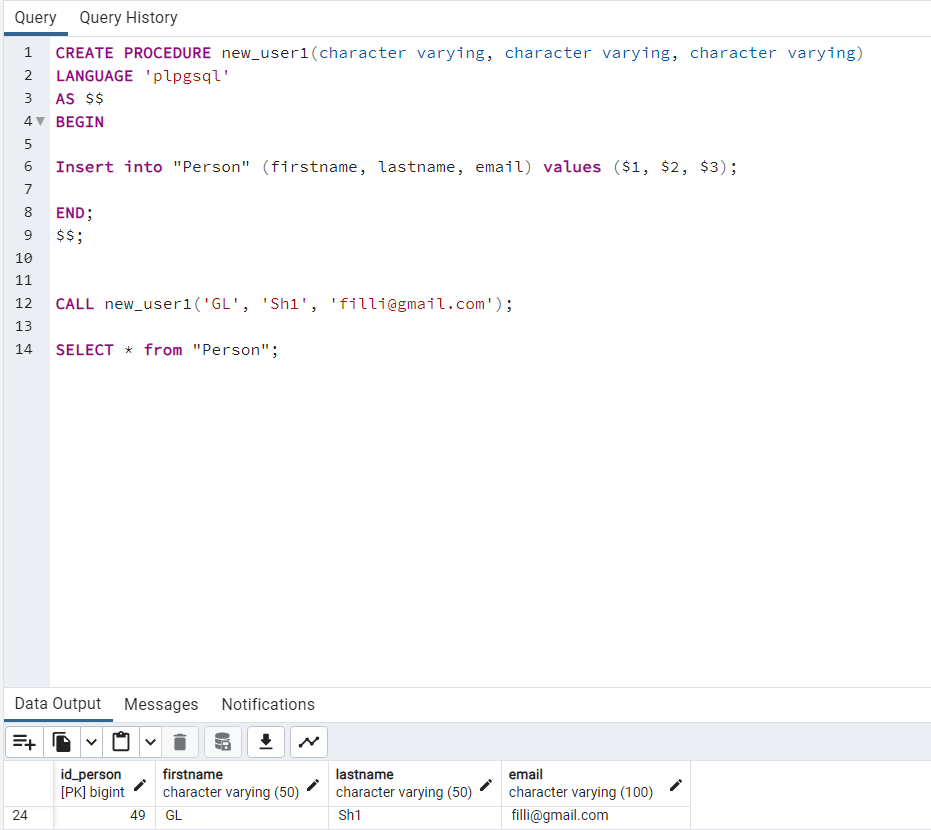


Рисунок 3 – Выполнение процедуры

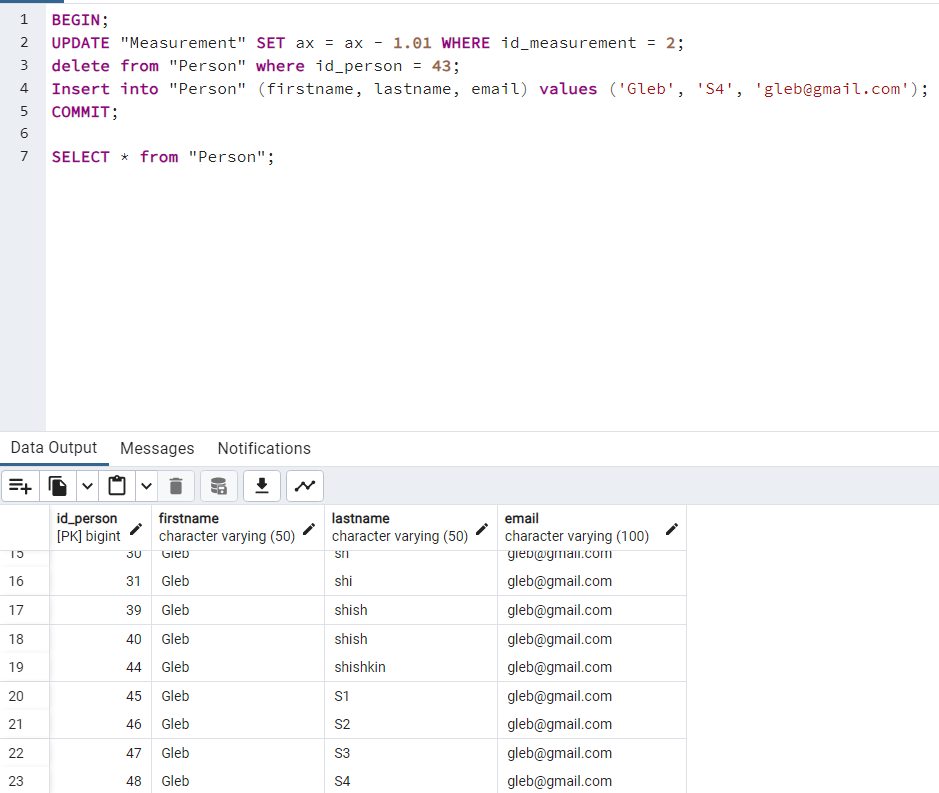


Рисунок 4 – Выполнение транзакции

Приложение 1

CREATE TABLE public."Person" (

id\_person bigint NOT NULL primary key,

firstname character varying(50) NOT NULL,

lastname character varying(50) NOT NULL,

email character varying(100) NOT NULL

);

ALTER TABLE public."Person" OWNER TO postgres;

ALTER TABLE public."Person" ALTER COLUMN id\_person ADD GENERATED ALWAYS AS IDENTITY (

SEQUENCE NAME public."Person\_id\_person\_seq"

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

CREATE TABLE public."Phone" (

id\_phone bigint NOT NULL primary key,

number\_phone integer NOT NULL,

status\_phone character varying(100) NOT NULL,

fk\_phone\_person bigint REFERENCES "Person"(id\_person)

);

ALTER TABLE public."Phone" OWNER TO postgres;

ALTER TABLE public."Phone" ALTER COLUMN id\_phone ADD GENERATED ALWAYS AS IDENTITY (

SEQUENCE NAME public."Phone\_id\_phone\_seq"

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

CREATE TABLE public."Activity\_types" (

id\_activity\_types bigint NOT NULL primary key,

name\_activity character varying(50) NOT NULL

);

ALTER TABLE public."Activity\_types" OWNER TO postgres;

ALTER TABLE public."Activity\_types" ALTER COLUMN id\_activity\_types ADD GENERATED ALWAYS AS IDENTITY (

SEQUENCE NAME public."Activity\_types\_id\_activity\_types\_seq"

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

CREATE TABLE public."Session" (

id\_session bigint NOT NULL primary key,

time\_start timestamp without time zone NOT NULL,

time\_end timestamp without time zone NOT NULL,

fk\_session\_phone bigint REFERENCES "Phone"(id\_phone),

fk\_session\_activity bigint REFERENCES "Activity\_types"(id\_activity\_types)

);

ALTER TABLE public."Session" OWNER TO postgres;

ALTER TABLE public."Session" ALTER COLUMN id\_session ADD GENERATED ALWAYS AS IDENTITY (

SEQUENCE NAME public."Session\_id\_session\_seq"

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);

CREATE TABLE public."Measurement" (

id\_measurement bigint NOT NULL,

ax real NOT NULL,

ay real NOT NULL,

az real NOT NULL,

fk\_measurement\_session bigint REFERENCES "Session"(id\_session)

);

ALTER TABLE public."Measurement" OWNER TO postgres;

ALTER TABLE public."Measurement" ALTER COLUMN id\_measurement ADD GENERATED ALWAYS AS IDENTITY (

SEQUENCE NAME public."Measurement\_id\_measurement\_seq"

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1

);