Блохин Дмитрий ИУ7-52Б

ВАРИАНТ 1

1 задание!!!

```sql
create table if not exists workers (
id serial not null primary key,
fio varchar(40) not null,
btday date not null,
pos varchar(40) not null
);

create table if not exists operations (
id serial not null primary key,
course_id int references courses(id),
currency_name varchar(30) not null,
summary int not null,
worker_id int references workers(id)
);

create if not exists currencies (
id serial not null primary key,
currency_name varchar(30) not null
);

create if not exists courses (
id serial not null primary key,
currency_id int unique not null references
currencies(id),
sale int not null,
buy int not null
);

INSERT INTO workers(id, fio, btday, pos) values (1, 'Filippov', '01-02-1989', 'peshka');

INSERT INTO workers(id, fio, btday, pos) values (2, 'Pupkin', '01-01-1985', 'main');

INSERT INTO workers(id, fio, btday, pos) values (3, 'Belousov', '01-01-1991', 'director');

INSERT INTO workers(id, fio, btday, pos) values (4, 'Kurov', '01-01-1991', 'co-director');

INSERT INTO workers(id, fio, btday, pos) values (5, 'Borisov', '01-05-1989', 'manager');
```

INSERT INTO currencies(id, currency_name) values (1, 'Dollar');

INSERT INTO currencies(id, currency_name) values (2, 'Euro');

INSERT INTO currencies(id, currency_name) values (3, 'Funt');

INSERT INTO currencies(id, currency_name) values (4, 'Ruble');

INSERT INTO currencies(id, currency_name) values (5, 'GRIVNA');

INSERT INTO courses(id, currency_id, sale, buy) values (1, 1, 10, 20);

INSERT INTO courses(id, currency_id, sale, buy) values (2, 2, 30, 40);

INSERT INTO courses(id, currency_id, sale, buy) values (3, 3, 50, 60);

INSERT INTO courses(id, currency_id, sale, buy) values (4, 4, 70, 80);

INSERT INTO courses(id, currency_id, sale, buy) values (5, 5, 90, 95);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (1, 1, 'Dollar', 100, 1);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (2, 2, 'Euro', 200, 2);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (3, 3, 'FUNT', 300, 3);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (4, 4, 'Ruble', 500, 4);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (1, 1, 'Grivna', 500, 5);

INSERT INTO operations(id, course_id, currency_name, summary, worker_id) values (6, 2, 'Euro', 700, 1);

Задание 2!!!

--Работники с фамилией Pupkin переименовываются в 'The best worker'
--другие в ''
```
select id, btday, fio,
case fio
when 'Pupkin' then 'The best worker' else ''
end fio
from workers
```

--суммируется summary
```
select id, course_id, currency_name,
sum(summary) over(order by id) as "sum"
from operations
```

--выводит название валют, которых нет в таблице > 1 и их количество
```
select currency_name, count(currency_name)
from operations
group by currency_name
having count(currency_name) >1
```


Задание 3!!!

```
create or replace procedure dump_func() as $$
        declare
                temp_ text;
                db text;
                table_ record;
                file_name text;
        begin
                for table_ in select tablename from pg_catalog.pg_tables where
schemaname='public'
                loop
                        db := (select current_database());
                        temp_ := current_date::text;
                        file_name := 'C:\database\' || db || '_' || table_.tablename || '_' ||
temp_ || '.csv';
                        execute format('copy (select * from %I) to %L CSV', table_.tablename,
file_name);
                end loop'
        end;
$$ language plpgsql;

call dump_func();
```