Блохин Дмитрий ИУ7-52Б  
  
ВАРИАНТ 1

1 задание!!!

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();