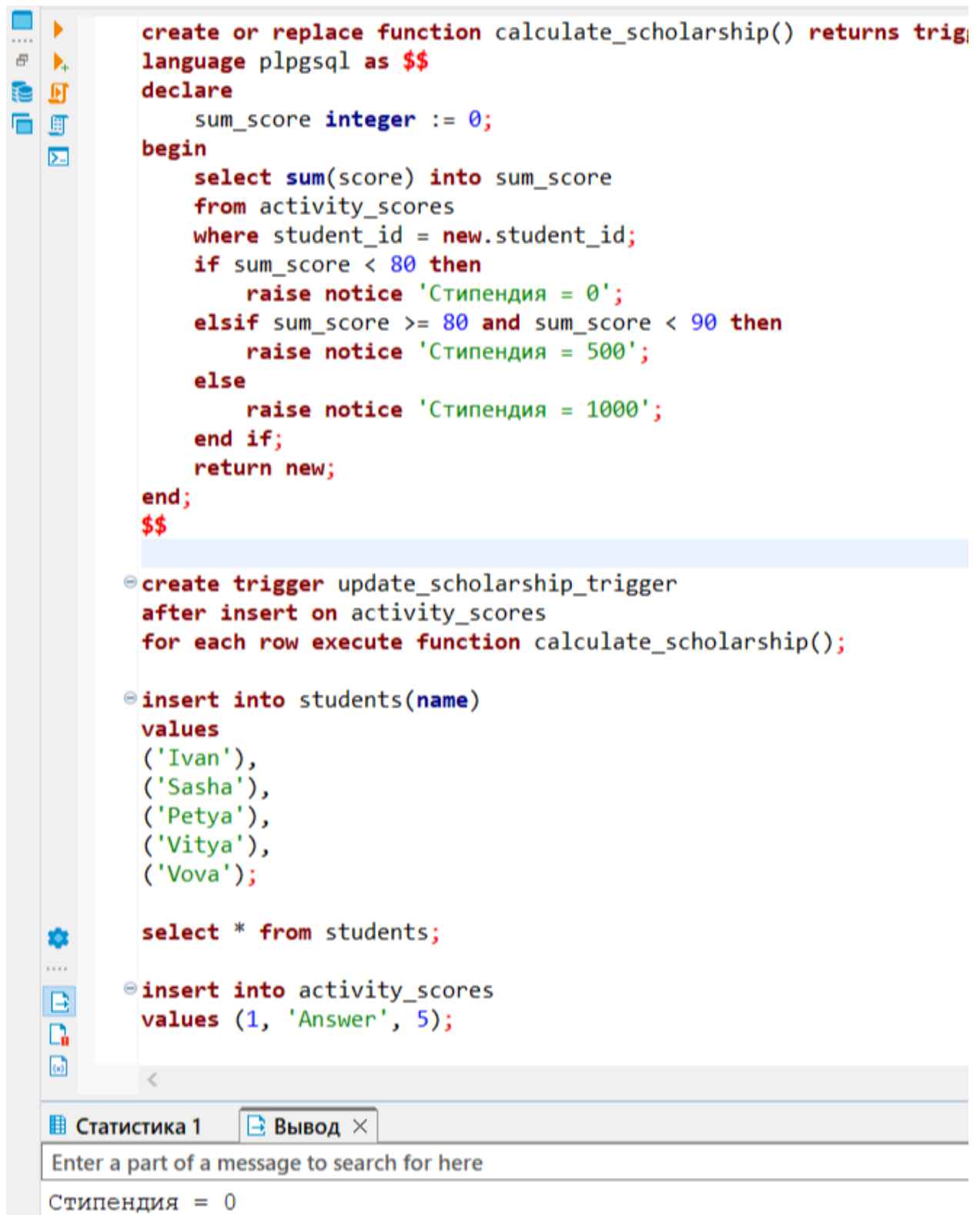


## Задание 1



```
create or replace function calculate_scholarship() returns trig
language plpgsql as $$
declare
    sum_score integer := 0;
begin
    select sum(score) into sum_score
    from activity_scores
    where student_id = new.student_id;
    if sum_score < 80 then
        raise notice 'Стипендия = 0';
    elsif sum_score >= 80 and sum_score < 90 then
        raise notice 'Стипендия = 500';
    else
        raise notice 'Стипендия = 1000';
    end if;
    return new;
end;
$$
```

• create trigger update\_scholarship\_trigger  
after insert on activity\_scores  
for each row execute function calculate\_scholarship();

• insert into students(name)  
values  
( 'Ivan' ),  
( 'Sasha' ),  
( 'Petya' ),  
( 'Vitya' ),  
( 'Vova' );

select \* from students;

• insert into activity\_scores  
values (1, 'Answer', 5);

Статистика 1 Вывод ×

Enter a part of a message to search for here

Стипендия = 0



## Задание 2.

```

create or replace function update_total_score() returns trigger
language plpgsql as $$
declare
    sum_score integer := 0;
    score_ integer;
begin
    for score_ in
        select score
        from activity_scores
        where student_id = new.student_id
    loop
        sum_score := sum_score + score_;
    end loop;

    update students
    set total_score = sum_score
    where id = new.student_id;

    return new;
end;
$$

-- create trigger update_total_score_trigger
-- after insert on activity_scores
-- for each row execute function update_total_score();

-- insert into activity_scores
-- values (1, 'Answer', 5);

select * from students;

```

students 1 ×
Вывод

select \* from students
Введите SQL выражение чтобы отфильтровать результаты

	123 id	ABC name	123 total_score
1	2	Sasha	0
2	3	Petya	0
3	4	Vitya	0
4	5	Vova	0
5	1	Ivan	175

```
insert into activity_scores  
values (2, 'Exam', 79),  
(3, 'Exam', 80),  
(4, 'Exam', 81),  
(5, 'Exam', 99);
```

```
select * from students;
```

students 1 ×

Вывод

select \* from students | Введите SQL выражение чтобы

	123 id	ABC name	123 total_score
1	1	Ivan	175
2	2	Sasha	79
3	3	Petya	80
4	4	Vitya	81
5	5	Vova	99