Ex 1: Folosind clauza with, pentru fiecare departament afisati informatii despre angajatii cu cel mai mare salariu din acel departament.

Daca intr-un departament nu lucreaza nimeni, veti afisa un mesaj corespunzator (diferit de "nu lucreaza nimeni").

with tabela as (

select \*

from employees

where (salary, department\_id) in (

select max(salary), department\_id

from employees

group by department\_id))

select department\_id,

case when (select count(\*) from employees e where e.department\_id = d.department\_id) = 0

then '0'

when (select count(\*) from employees e where e.department\_id = d.department\_id) != 0

then (select t.last\_name from tabela t where t.department\_id = d.department\_id)

end as last\_name,

case when (select count(\*) from employees e where e.department\_id = d.department\_id) = 0

then '0'

when (select count(\*) from employees e where e.department\_id = d.department\_id) != 0

then (select t.first\_name from tabela t where t.department\_id = d.department\_id)

end as first\_name,

case when (select count(\*) from employees e where e.department\_id = d.department\_id) = 0

then 0

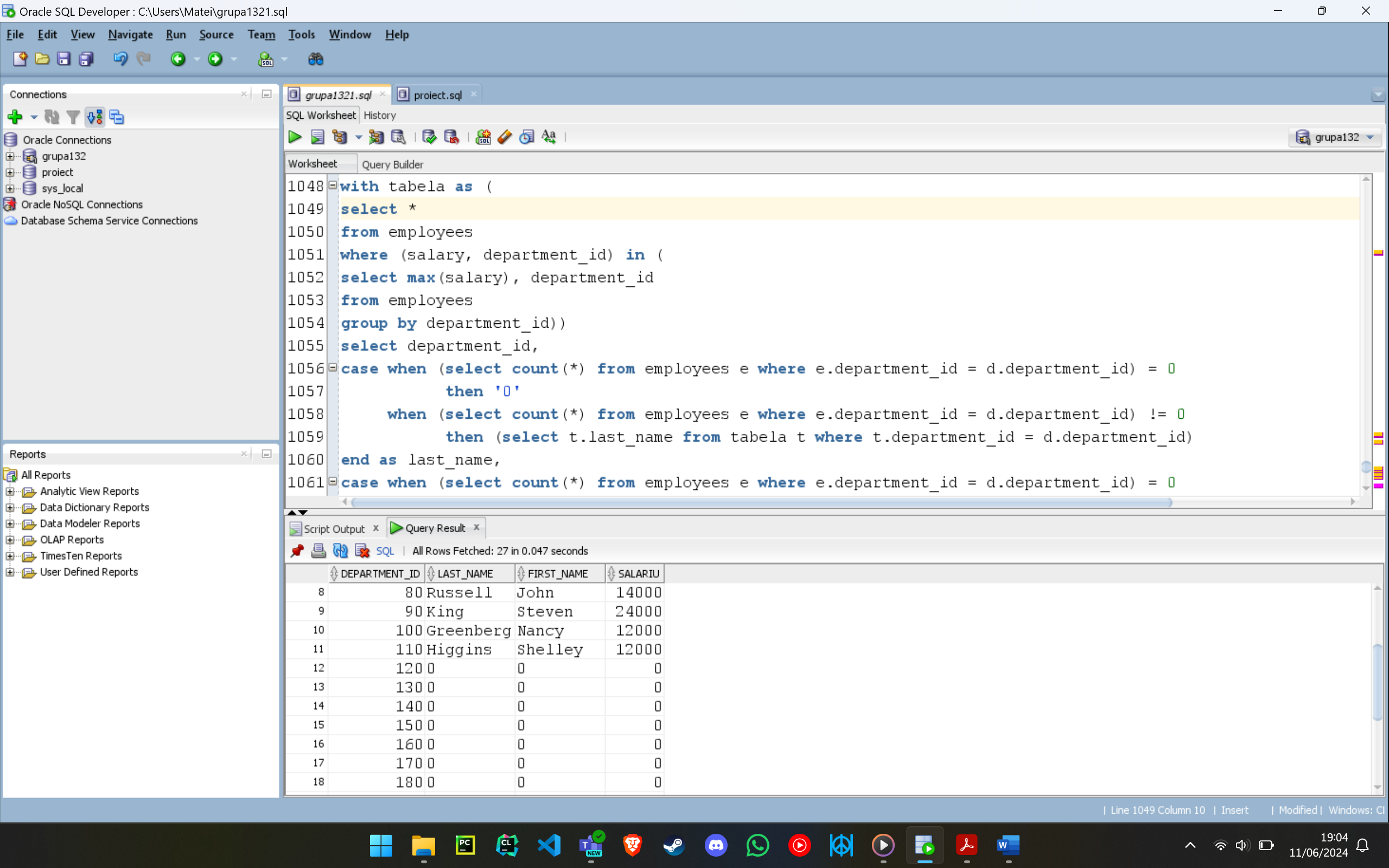
when (select count(\*) from employees e where e.department\_id = d.department\_id) != 0

then (select t.salary from tabela t where t.department\_id = d.department\_id)

end as salariu

from departments d;

--27 rezultate



Ex 2: Afisati codul si numele departamentului si numele complet al managerului departamentelor pentru managerii de departament avand salariul mai mare decat media salariilor angajatilor al caror sef direct are un numar de telefon ce contine sirul "67".

select department\_id, department\_name, first\_name || ' ' || last\_name manager

from employees join departments using(department\_id) where employee\_id in (

select distinct manager\_id from employees where manager\_id in (

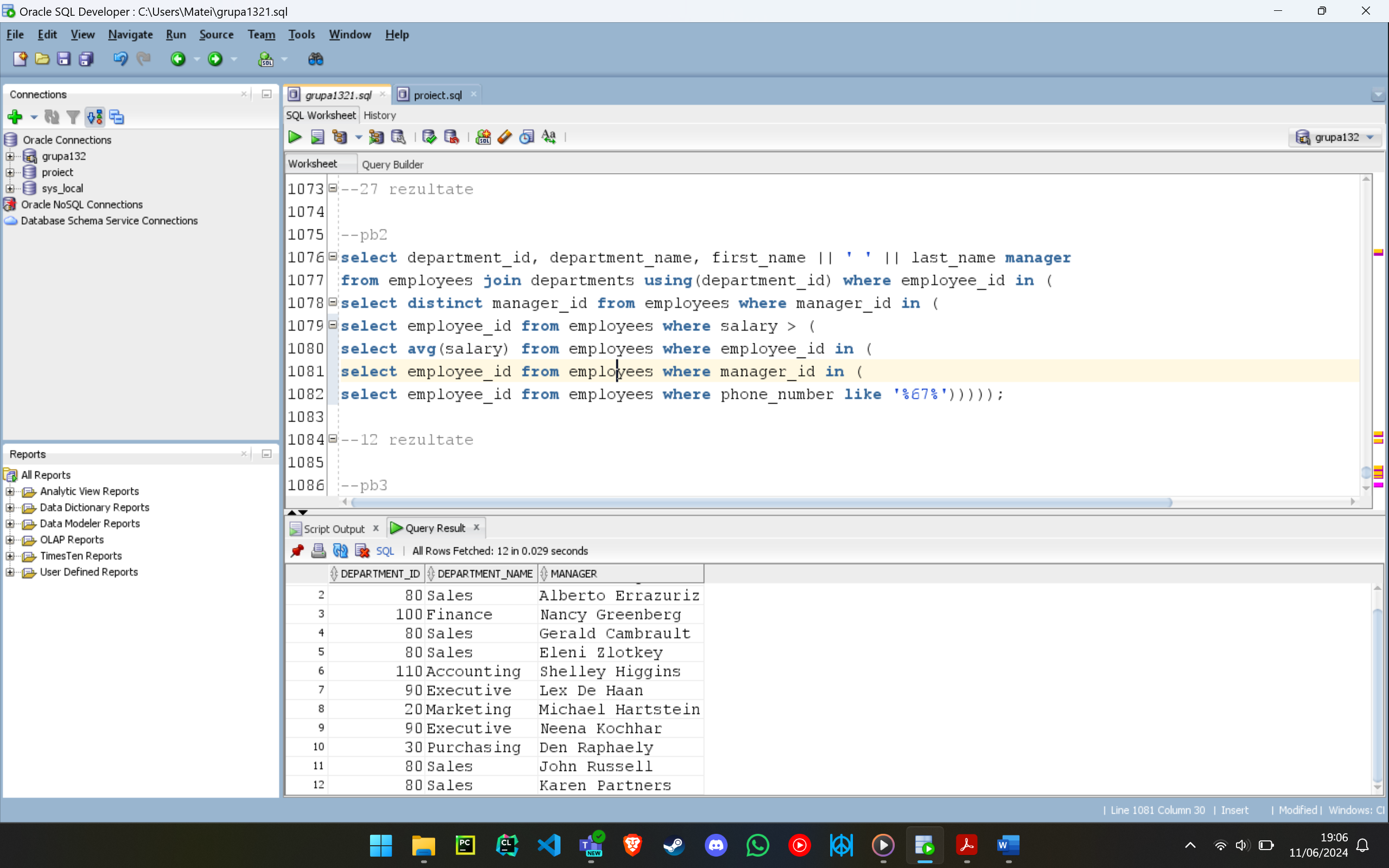
select employee\_id from employees where salary > (

select avg(salary) from employees where employee\_id in (

select employee\_id from employees where manager\_id in (

select employee\_id from employees where phone\_number like '%67%')))));

--12 rezultate



Ex 3: Afisati departamentele in care lucreza angajati al caror manager direct are un numar de telefon ce contine fix 10 CIFRE. (Atentie la forma actuala a numerelor de telefon din baza de date. Folositi doar functiile prezente in fisierele oferite ca suport la laborator.) Se vor afisa doar departamentele a caror medie salariala este mai mare decat media salariala a intregii firme.

select distinct department\_id

from employees

where manager\_id in (

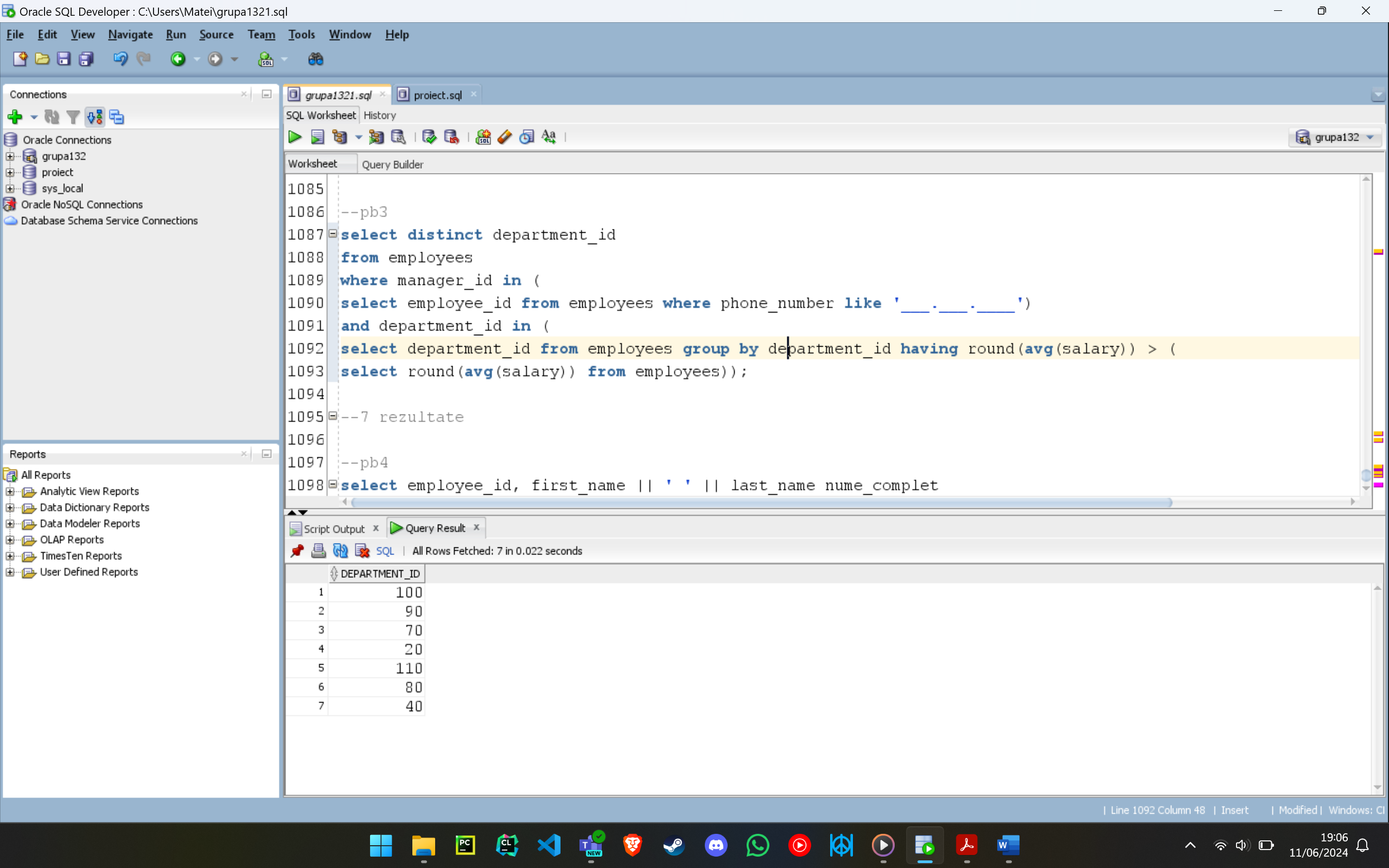
select employee\_id from employees where phone\_number like '\_\_\_.\_\_\_.\_\_\_\_')

and department\_id in (

select department\_id from employees group by department\_id having round(avg(salary)) > (

select round(avg(salary)) from employees));

--7 rezultate



Ex 4: Sa se listeze angajatii (codul si numele acestora) care au lucrat pe toate proiectele nelivrate la termen.

select employee\_id, first\_name || ' ' || last\_name nume\_complet

from employees

where employee\_id in (

select distinct employee\_id

from works\_on a

where not exists (

select 1 from project p where delivery\_date > deadline and not exists (

select 'x' from works\_on b where a.employee\_id = b.employee\_id and b.project\_id = p.project\_id)));

--2 rezultate

