

# **Proiect baze de date**

## **Gestionarea unor service-uri auto din Bucuresti**

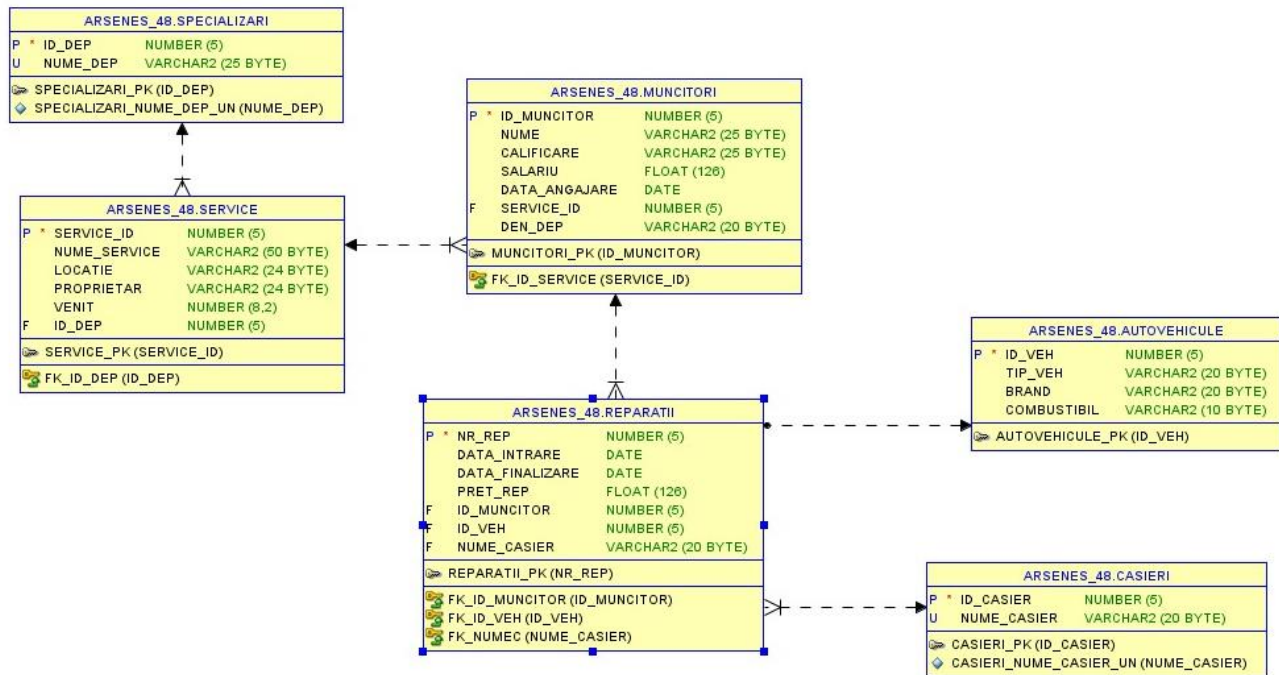
### **1.Descrierea bazei de date**

Tema proiectului este gestiunea activitatii unor service-uri din Bucuresti. Am creat o baza de date care ofera tuturor oamenilor o evidenta a masinilor ce necesita sau au necesitat o reparatie, pentru o perspectiva mai obiectiva asupra service-urilor, preturilor si mecanicilor. Datorita acestor informatii, oamenii pot vedea care este cel mai potrivit service pentru nevoile lor.

In primul rand, am creat un tabel cu toate specializarile posibile pentru a identifica specializarea fiecaruia, apoi am prezentat numele service-urilor impreuna cu ID-ul acestora, numele proprietarilor, locatia si cifra de afaceri.

In al doilea rand, am creat un tabel cu toti angajatii service-urilor, in care am afisat numele fiecaruia, id- ul, salariul, data angajarii, calificarea dar si id-ul service-ului la care lucreaza. Alaturi de tabelul cu autovehicule in care prezint tipul fiecarui vehicul, brand ul si combustibilul, am creat si un tabel in care am aduagat fiecare reparatie dar si un tabel cu casierii din fiecare service.

## 2. Schema bazei de date



## 3. Crearea tabelelor

In total au fost create 6 tabele- SPECIALIZARI, SERVICE, MUNCITORI, CASIERI, REPARATII, AUTOVEHICULE.

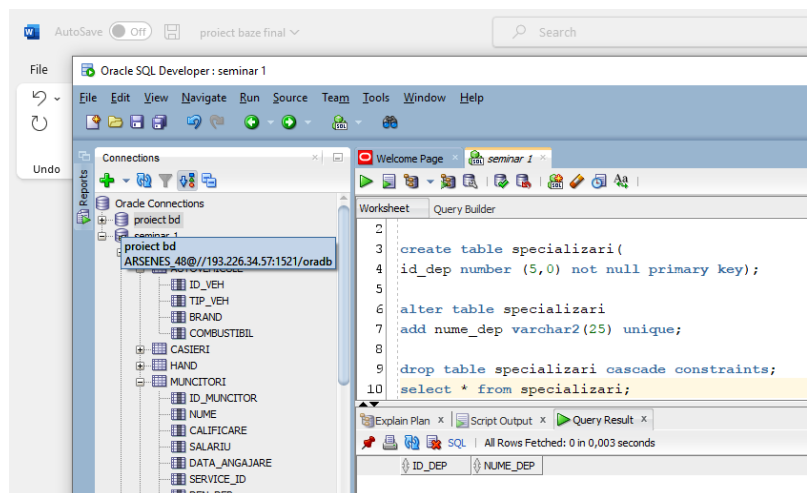
### a.Specializari

```

create table specializari(
id_dep number (5,0) not null primary key);

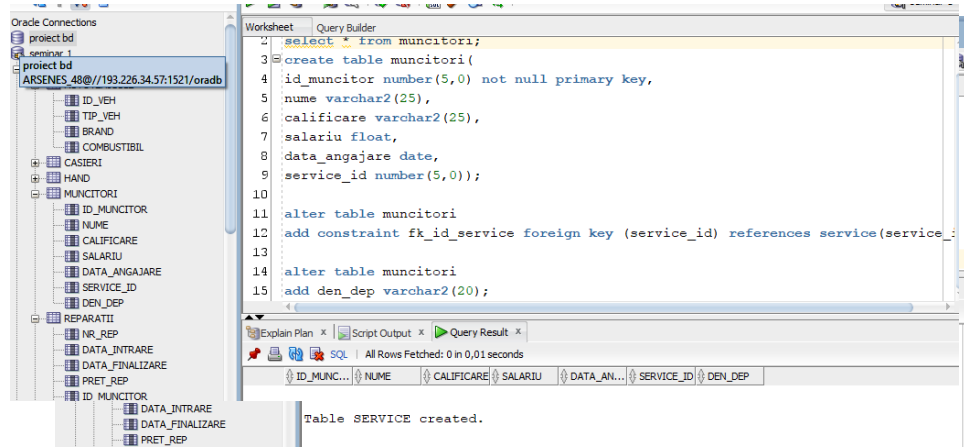
alter table specializari
add nume_dep varchar2(25) unique;

select * from specializari;
    
```



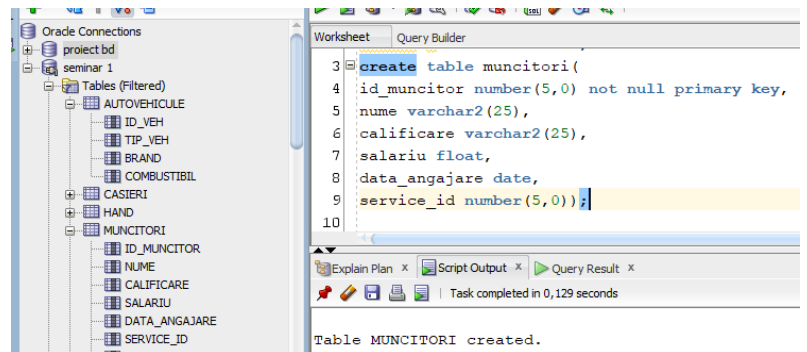
## b.Service

```
create table service(  
service_id number(5,0) not null  
primary key,  
nume_service varchar2(50) ,  
locatie varchar2(24),  
proprietar varchar2(24),  
venit number(8,2),  
id_dep number(5,0),  
constraint fk_id_dep foreign key(id_dep) references specializari(id_dep));
```



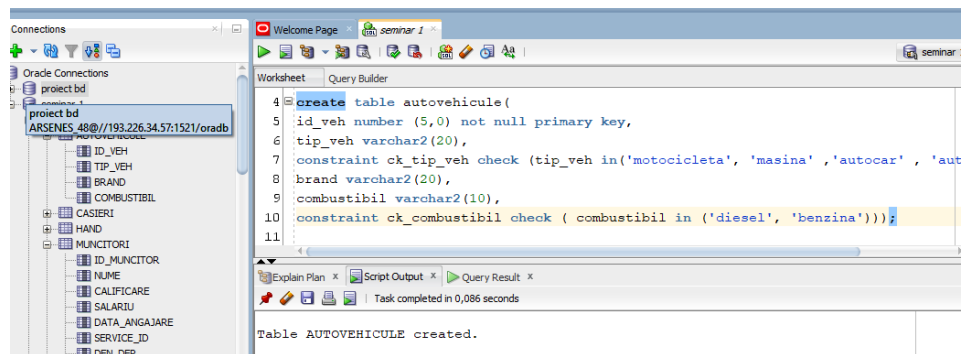
## c.Muncitori

```
create table muncitori(  
id_muncitor number(5,0) not null primary key,  
nume varchar2(25),  
calificare varchar2(25),  
salariu float,  
data_angajare date,  
service_id number(5,0));
```



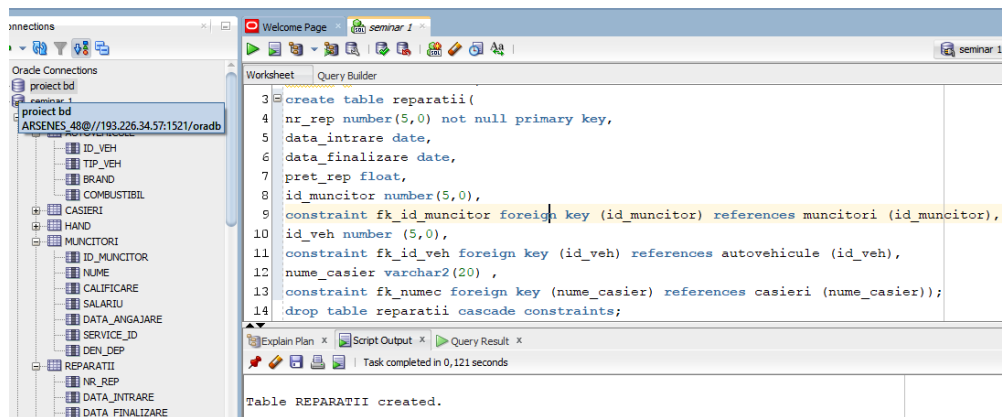
## d. Autovehicule

```
create table autovehicule(  
id_veh number (5,0) not null  
primary key,  
tip_veh varchar2(20),  
constraint ck_tip_veh check  
(tip_veh in('motocicleta', 'masina', 'autocar', 'autoutilitara')),  
brand varchar2(20),  
combustibil varchar2(10),  
constraint ck_combustibil check ( combustibil in ('diesel', 'benzina')));
```



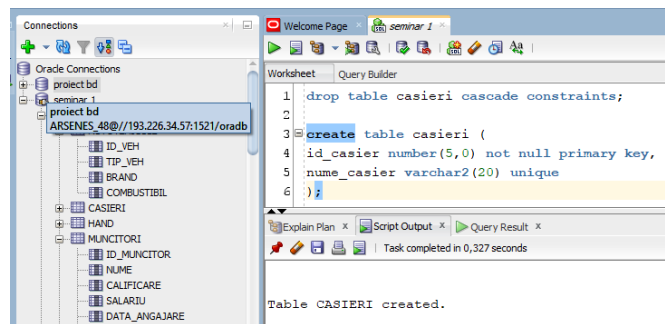
## e.Reparatii

```
create table reparatii(  
nr_rep number(5,0) not null primary key,  
data_intrare date,  
data_finalizare date,  
pret_rep float,  
id_muncitor number(5,0),  
constraint fk_id_muncitor foreign key (id_muncitor) references muncitori (id_muncitor),  
id_veh number (5,0),  
constraint fk_id_veh foreign key (id_veh) references autovehicule (id_veh),  
nume_casier varchar2(20) ,  
constraint fk_numec foreign key (nume_casier) references casieri (nume_casier));  
drop table reparatii cascade constraints;
```



## f.Casieri

```
create table casieri (  
id_casier number(5,0) not null primary key,  
nume_casier varchar2(20) unique  
);
```



#### 4. Actualizarea structurii tabelelor si modificarea restrictiilor de integritate

Am adaugat in tabela specializari coloana nume\_dep:

```
alter table specializari
```

```
add nume_dep varchar2(25) unique;
```

Am adaugat in tabela muncitori o cheie externa si o coloana noua

```
alter table muncitori
```

```
add constraint fk_id_service foreign key (service_id) references  
service(service_id);
```

```
alter table muncitori
```

```
add den_dep varchar2(20);
```

#### 5. Adăugarea (min 10, max 15) de înregistrări în fiecare tabelă

##### Inregistrari in tabela specializari

```
insert into specializari(id_dep, nume_dep)
```

```
values(1, 'Mecanica');
```

```
insert into specializari(id_dep, nume_dep)
```

```
values(2, 'Mecanica usoara');
```

```
insert into specializari(id_dep, nume_dep)
```

```
values(3, 'Vopsitorie');
```

```
insert into specializari(id_dep, nume_dep)
```

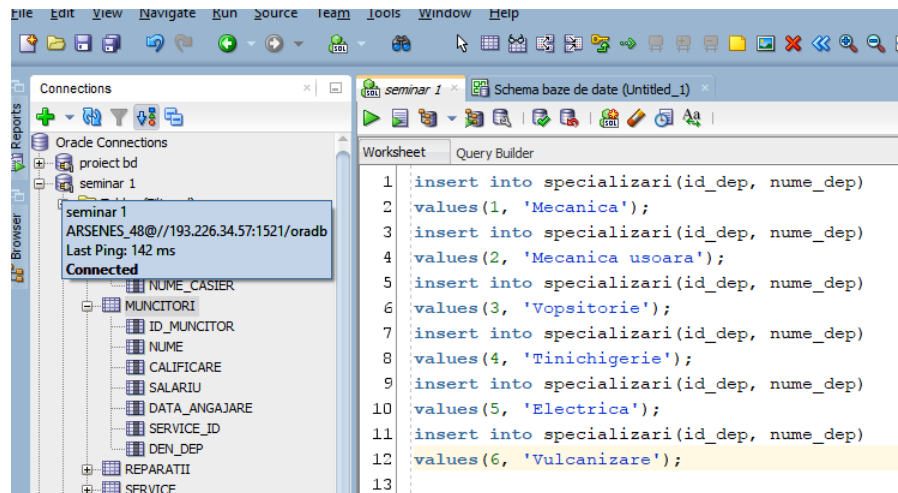
```
values(4, 'Tinichigerie');
```

```
insert into specializari(id_dep, nume_dep)
```

```
values(5, 'Electrica');
```

```
insert into specializari(id_dep, nume_dep)
```

```
values(6, 'Vulcanizare');
```



## Inregistrari in tabela **service**

```
insert into service (service_id, nume_service,  
locatie, proprietar, venit,id_dep)
```

```
values ( 10, 'Vericu', 'Aviator Popisteanu',  
'Arsene Sabin', 12321,1);
```

```
insert into service (service_id, nume_service,  
locatie, proprietar, venit,id_dep)
```

```
values (11, 'Vericu', 'Traian Vsail', 'Arsene  
Sabin', 10322,2);
```

```
insert into service (service_id, nume_service,  
locatie, proprietar, venit,id_dep)
```

```
values (12, 'Jerol','Expozitie','Vasile  
Alex',9320,2);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (13, 'La Mertzanu', 'Militari','Adumitresci Mihai', 3213,3);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (14, 'Mardi', 'Berceni','Alexandru Robert', 15435,4);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (15,'Autosoft','Berceni','Ariton Flavian', 14323,5);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (16,'Breddi','Piata Romana', 'Arsene Marian',20321,5);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (17,'HEXANU','Grozavesti','Marcu Stefan',32323,6);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

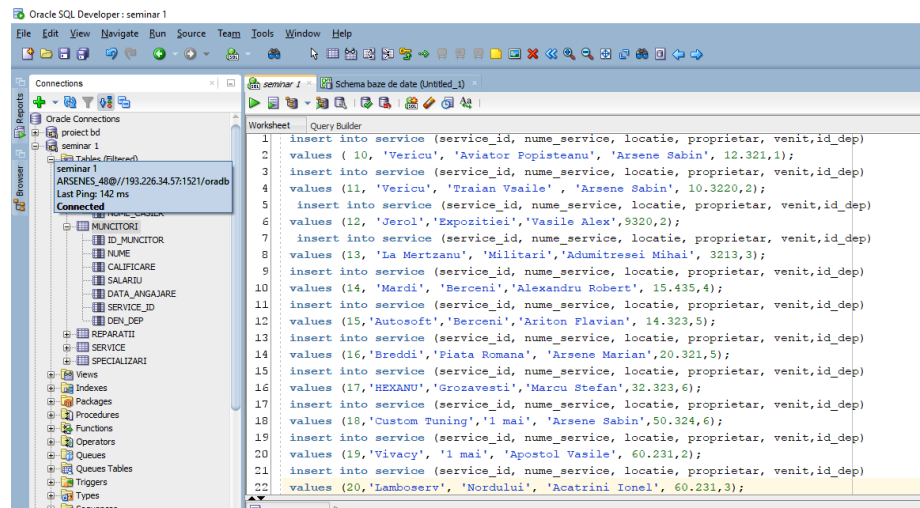
```
values (18,'Custom Tuning','1 mai', 'Arsene Sabin',50324,6);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (19,'Vivacy', '1 mai', 'Apostol Vasile', 60231,2);
```

```
insert into service (service_id, nume_service, locatie, proprietar, venit,id_dep)
```

```
values (20,'Lamboserv', 'Nordului', 'Acatrini Ionel', 60231,3);
```



## Inregistrari in tabela **muncitori**

```
insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (100, 'Mitrut Vasile', 'Mecanic', 2400, '29/JUN/2002', 10, 'Mecanica usoara' );

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (101, 'Mihai Ion', 'Tinichigiu', 2000, '19/AUG/2010', 11, 'Tinichigerie');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (102, 'Alexandru Ionel', 'Vopsitor', 3000, '18/AUG/2011',12, 'Vopsitorie');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (103, 'Popescu Alex', 'Mecanic', 2800, '19/JUN/2021',13, 'Mecanica usoara');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (104, 'Popescu Mihai', 'Electrician', 2200, '21/JAN/2008',14, 'Electronica');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (105, 'Popescu Vasile', 'Vopsitor', 4000, '28/SEP/2019',15, 'Vopsitorie');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (106, 'Popescu Ion', 'Vopsitor', 3000, '28/OCT/2004',16, 'Vopsitorie');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (107, 'Oprisan Vasile', 'Electrician', 2800, '28/OCT/2012',17, 'Electronica');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (108, 'Mihai Ion', 'Mecanic', 1600, '29/JUL/2019',18,'Mecanica');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (109, 'Mhai Viorica', 'Electrician', 1800, '29/JUL/2018',20, 'Electronica');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (110, 'Micu Ionel', 'Mecanic', 6000, '29/JUN/2000',20, 'Mecanica usoara');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (111, 'Miluta Vicu', 'Electrician', 2800, '28/sep/2000',15, 'Electronica');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (112, 'Milea Ion', 'Vopsitor',3500, '27/jun/2008',16, 'Vopsitorie');

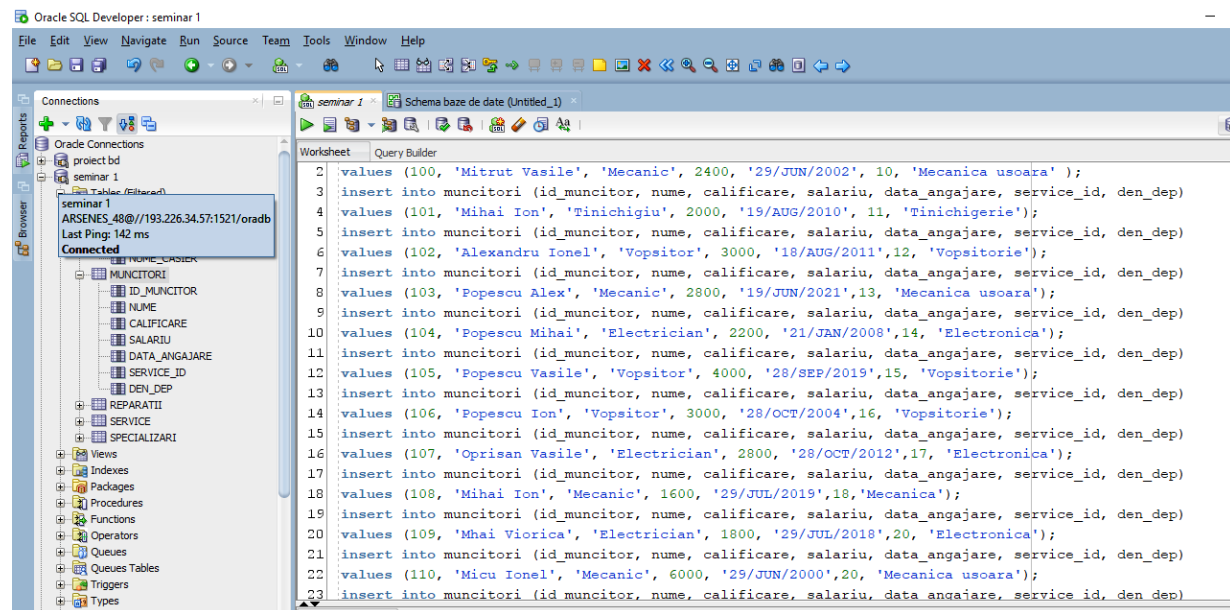
insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
values (113, 'Piciu Vasile', 'Vopsitor', 7000, '22/mar/2007', 18, 'Vopsitorie');

insert into muncitori (id_muncitor, nume, calificare, salariu, data_angajare, service_id, den_dep)
```

values (114, 'Pinca Gheorghe', 'Mecanic',5000, '28/jun/2009',19, 'Vulcanizare');

insert into muncitori (id\_muncitor, nume, calificare, salariu, data\_angajare, service\_id, den\_dep)

values (115, 'Miu Ion', 'Mecanic', 4000, '29/jun/2003',11, 'Mecanica');



## Inregistrari in tabela **autovehicule**

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 159, 'motocicleta', 'ducati', 'benzina');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 485, 'motocicleta', 'piaggio', 'benzina');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 568, 'motocicleta', 'bmw', 'benzina');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 486, 'masina', 'bmw', 'diesel');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 527, 'autoutilitara', 'mercedes', 'diesel');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)

values( 745, 'autoutilitara', 'peugeot', 'diesel');

insert into autovehicule (id\_veh, tip\_veh, brand, combustibil)



```
values( 852, 'autocar', 'mercedes', 'diesel');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 332, 'motocicleta', 'bmw', 'benzina');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 559, 'masina', 'volkswagen', 'diesel');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 885, 'autoutilitara', 'volkswagen', 'diesel');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 323, 'masina', 'skoda', 'benzina');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

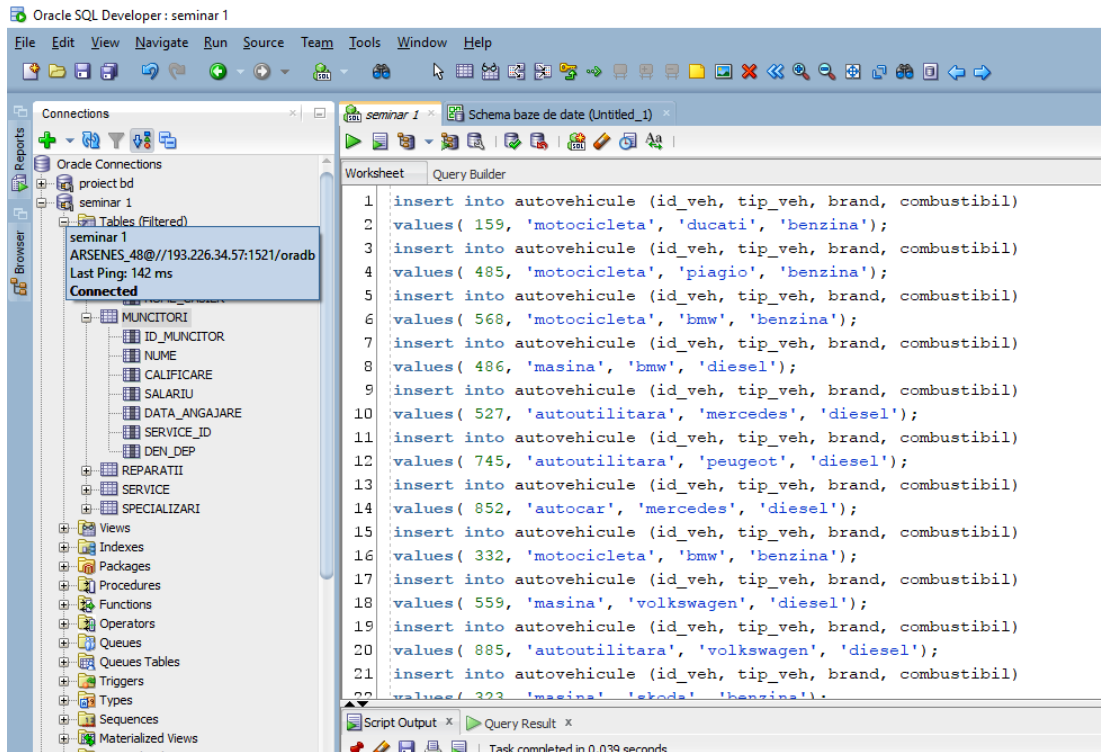
values( 741, 'autocar', 'MAN', 'diesel');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 990, 'masina', 'fiat', 'benzina');

insert into autovehicule (id_veh, tip_veh, brand, combustibil)

values( 643, 'masina', 'audi', 'diesel');
```



## Inregistrari in tabela **reparatii**

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12443, '2/jan/2023', '4/jan/2023', 356.32, 100, 159, 'Marci Mariana');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12408, '3/jan/2023', '5/jan/2023', 3214, 114, 332, 'Vartic Andreea');
```

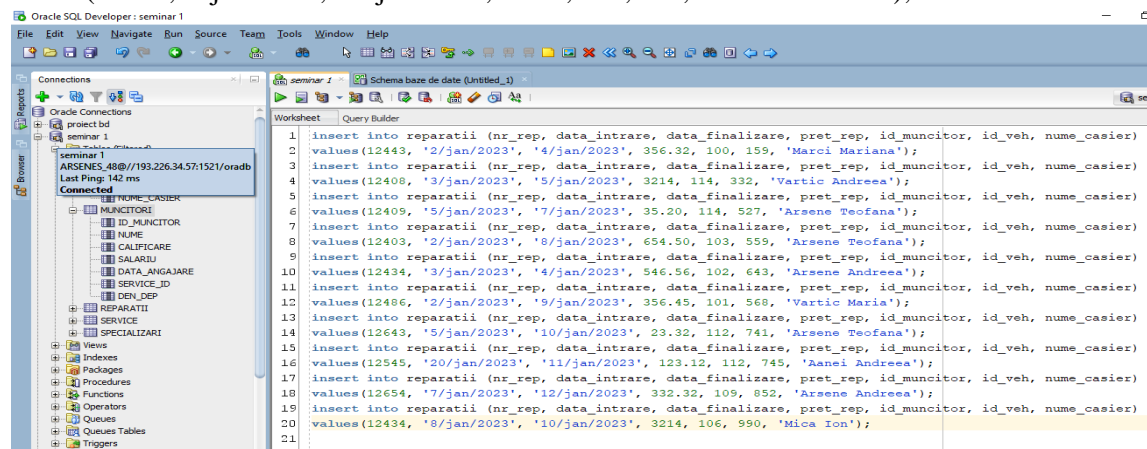
```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12409, '5/jan/2023', '7/jan/2023', 35.20, 114, 527, 'Arsene Teofana');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12403, '2/jan/2023', '8/jan/2023', 654.50, 103, 559, 'Arsene Teofana');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12434, '3/jan/2023', '4/jan/2023', 546.56, 102, 643, 'Arsene Andreea');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12486, '2/jan/2023', '9/jan/2023', 356.45, 101, 568, 'Vartic Maria');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12643, '5/jan/2023', '10/jan/2023', 23.32, 112, 741, 'Arsene Teofana');
```



```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12545, '20/jan/2023', '11/jan/2023', 123.12, 112, 745, 'Aanei Andreea');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12654, '7/jan/2023', '12/jan/2023', 332.32, 109, 852, 'Arsene Andreea');
```

```
insert into reparatii (nr_rep, data_intrare, data_finalizare, pret_rep, id_muncitor, id_veh, nume_casier)  
values(12435, '8/jan/2023', '10/jan/2023', 3214, 106, 990, 'Mica Ion');
```

## Inregistrari in tabela **casieri**

```
insert into casieri (id_casier, nume_casier)  
values(121,'Marci Mariana');
```

```
insert into casieri (id_casier, nume_casier)  
values(122,'Vartic Andreea');
```

```
insert into casieri (id_casier, nume_casier)  
values(123,'Vartic Daria');
```

```
insert into casieri (id_casier, nume_casier)  
values(124,'Vartic Maria');
```

```
insert into casieri (id_casier, nume_casier)  
values(125,'Vrincu Vasile');
```

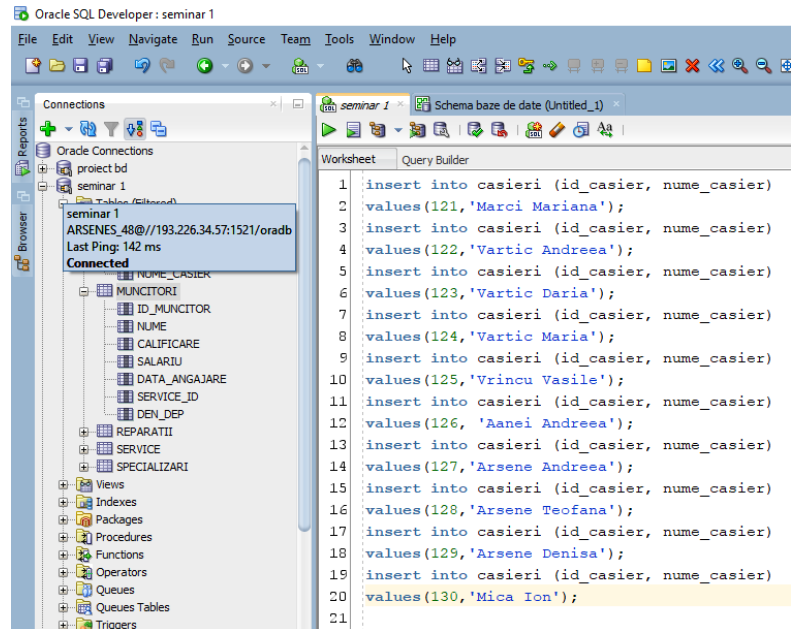
```
insert into casieri (id_casier, nume_casier)  
values(126, 'Aanei Andreea');
```

```
insert into casieri (id_casier, nume_casier)  
values(127,'Arsene Andreea');
```

```
insert into casieri (id_casier, nume_casier)  
values(128,'Arsene Teofana');
```

```
insert into casieri (id_casier, nume_casier)  
values(129,'Arsene Denisa');
```

```
insert into casieri (id_casier, nume_casier)  
values(130,'Mica Ion');
```



## 6. Actualizarea inregistrarilor

Am actualizat tabela **reparatii** si tabela **autovehicule**

update reparatii

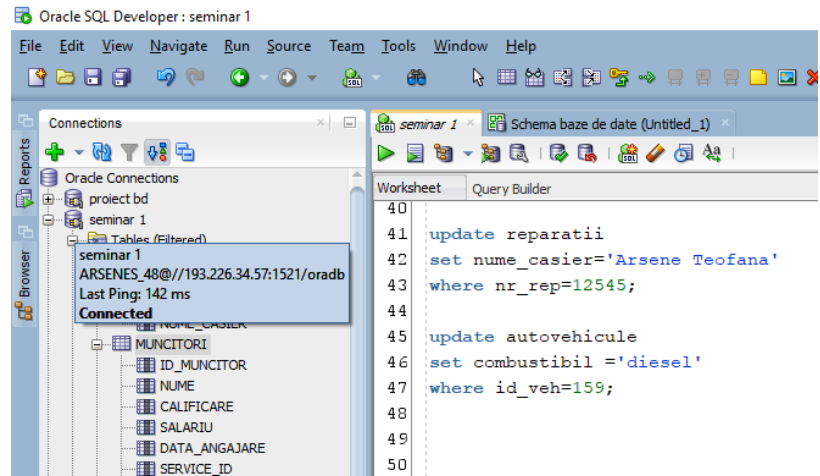
set nume\_casier='Arsene Teofana'

where nr\_rep=12545;

update autovehicule

set combustibil ='diesel'

where id\_veh=159;



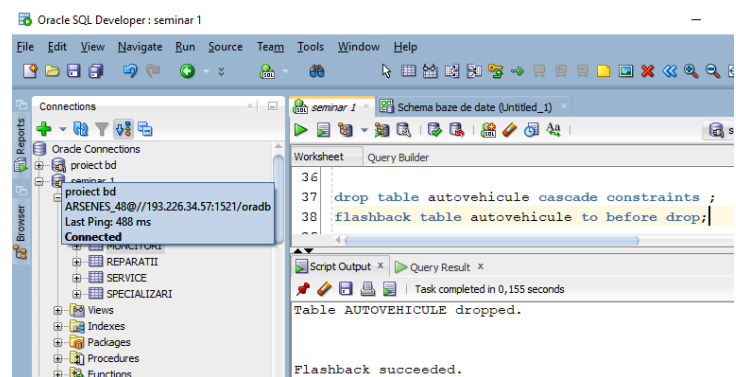
## 7. Stergerea si recuperarea unei tabele

Am ales sa sterg tabela autovehicule

drop table autovehicule cascade  
constraints ;

Si am reucuperat- o cu flashback.

flashback table autovehicule to before  
drop;



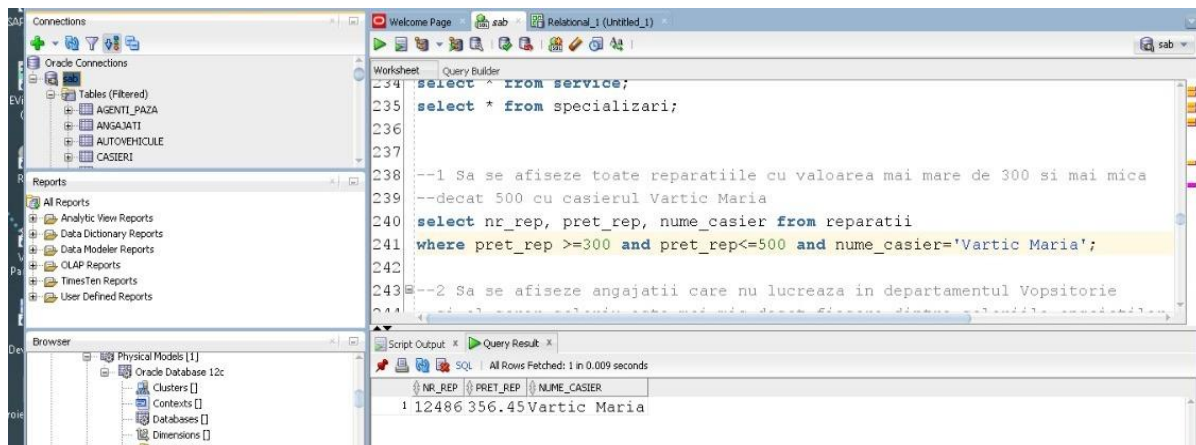
## 8. Exemple de interogari variate

--1 Sa se afiseze toate reparatiile cu valoarea mai mare de 300 si mai mica

--decat 500 cu casierul Vartic Maria

select nr\_rep, pret\_rep, nume\_casier from reparatii

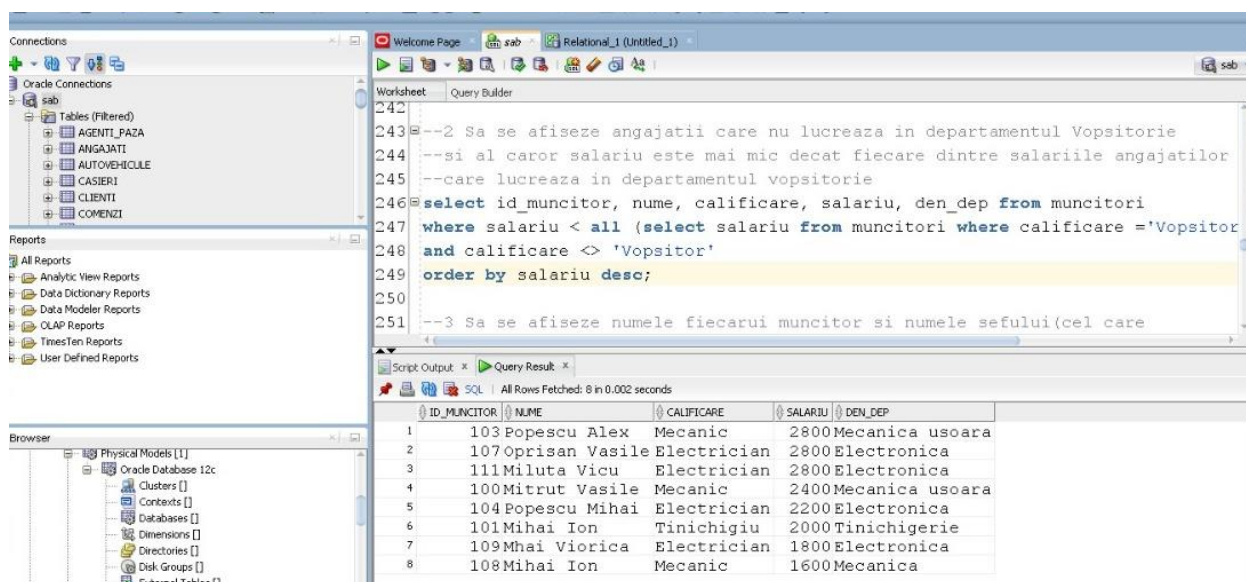
where pret\_rep >=300 and pret\_rep<=500 and nume\_casier='Vartic Maria';



--2 Sa se afiseze angajatii care nu lucreaza in departamentul Vopsitorie

--si al caror salariu este mai mic decat fiecare dintre salariile angajatilor

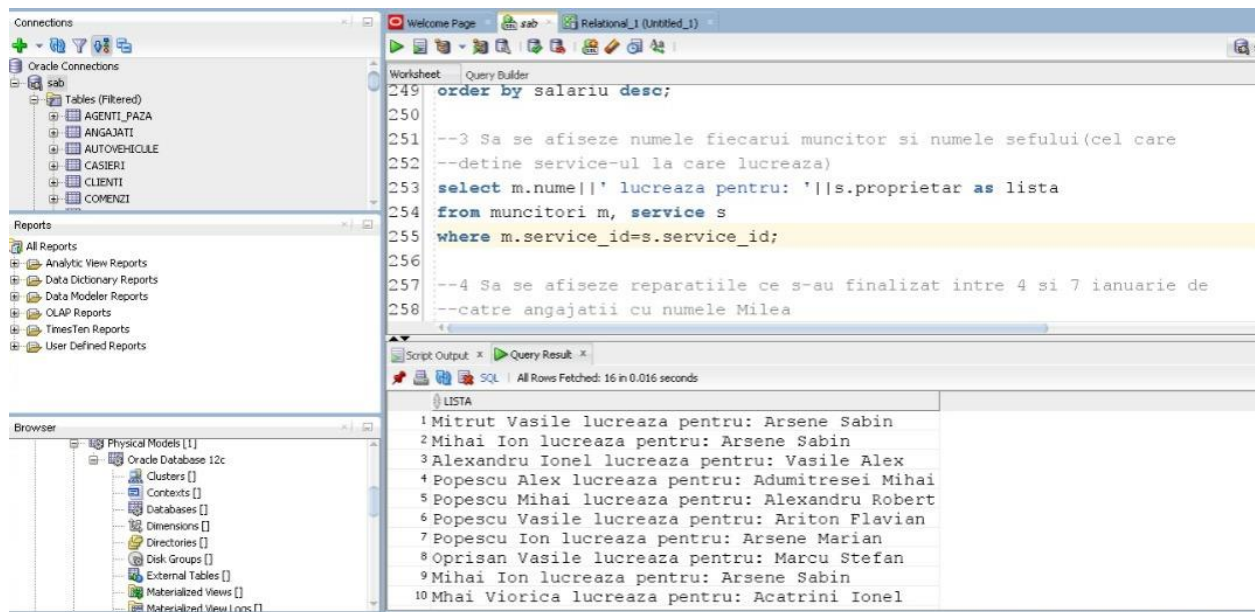
--care lucreaza in departamentul vopsitorie



```
select id_muncitor, nume, calificare, salariu, den_dep from muncitori  
where salariu < all (select salariu from muncitori where calificare ='Vopsitor')  
and calificare <> 'Vopsitor'  
order by salariu desc;
```

--3 Sa se afiseze numele fiecarui muncitor si numele sefului(cele care  
--detine service-ul la care lucreaza)

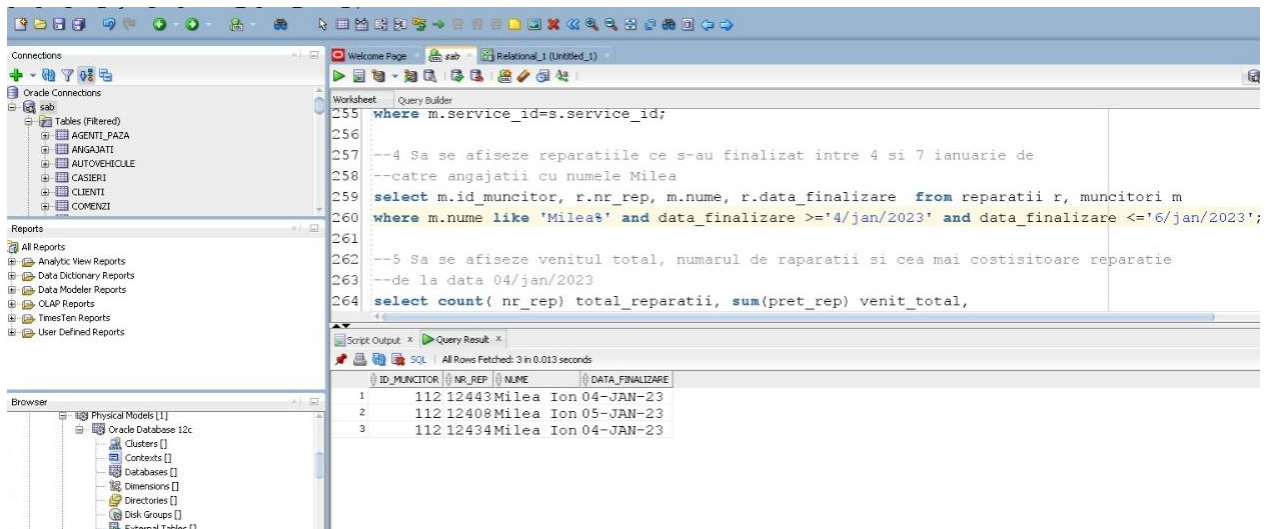
```
select m.nume||' lucreaza pentru: '||s.proprietar as lista  
from muncitori m, service s  
where m.service_id=s.service_id;
```



--4 Sa se afiseze reparatiile ce s-au finalizat intre 4 si 7 ianuarie de  
--catre angajatii cu numele Milea

```
select m.id_muncitor, r.nr_rep, m.nume, r.data_finalizare from reparatii r,  
muncitori m  
where m.nume like 'Milea%' and data_finalizare >='4/jan/2023' and data_finalizare  
<='6/jan/2023';
```





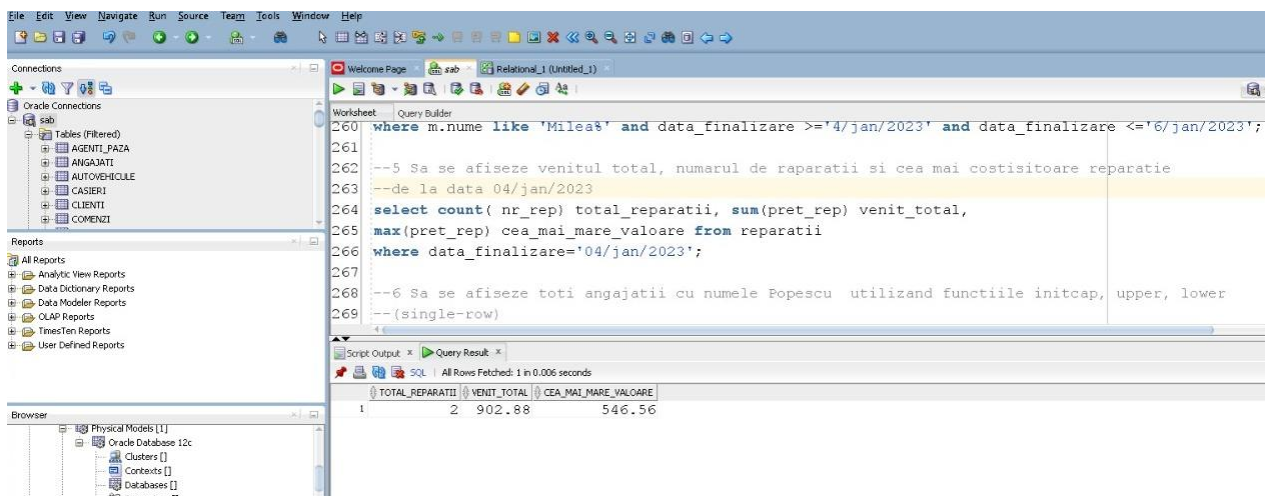
--5 Sa se afiseze venitul total, numarul de reparatii si cea mai costisitoare reparatie

--de la data 04/jan/2023

select count( nr\_rep) total\_reparatii, sum(pret\_rep) venit\_total,

max(pret\_rep) cea\_mai\_mare\_valoare from reparatii

where data\_finalizare='04/jan/2023';



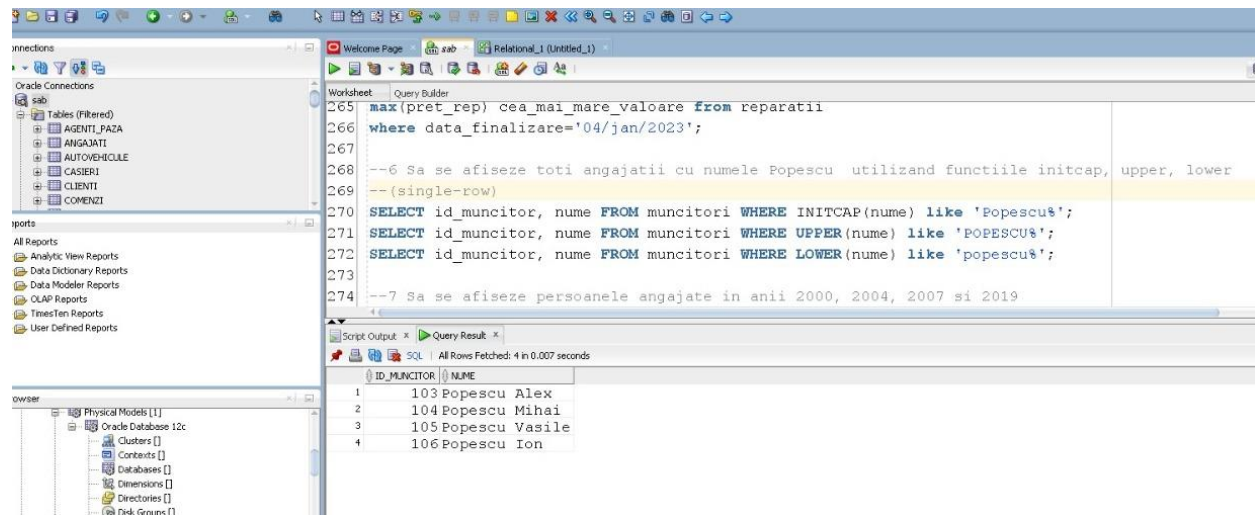
--6 Sa se afiseze toti angajatii cu numele Popescu utilizand functiile initcap, upper, lower

--(single-row)

```
SELECT id_muncitor, nume FROM muncitori WHERE INITCAP(nume) like 'Popescu%';
```

```
SELECT id_muncitor, nume FROM muncitori WHERE UPPER(nume) like 'POPESCU%';
```

```
SELECT id_muncitor, nume FROM muncitori WHERE LOWER(nume) like 'popescu%';
```



--7 Sa se afiseze persoanele angajate in anii 2000, 2004, 2007 si 2019

--lunile sep, oct, mar

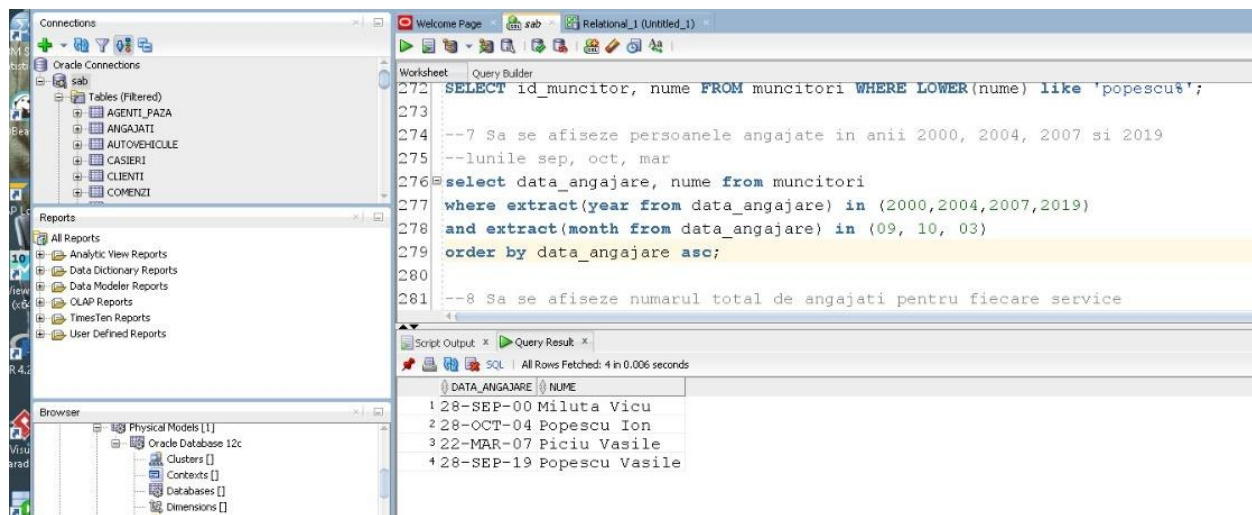
```
select data_angajare, nume from muncitori
```

```
where extract(year from data_angajare) in (2000,2004,2007,2019)
```

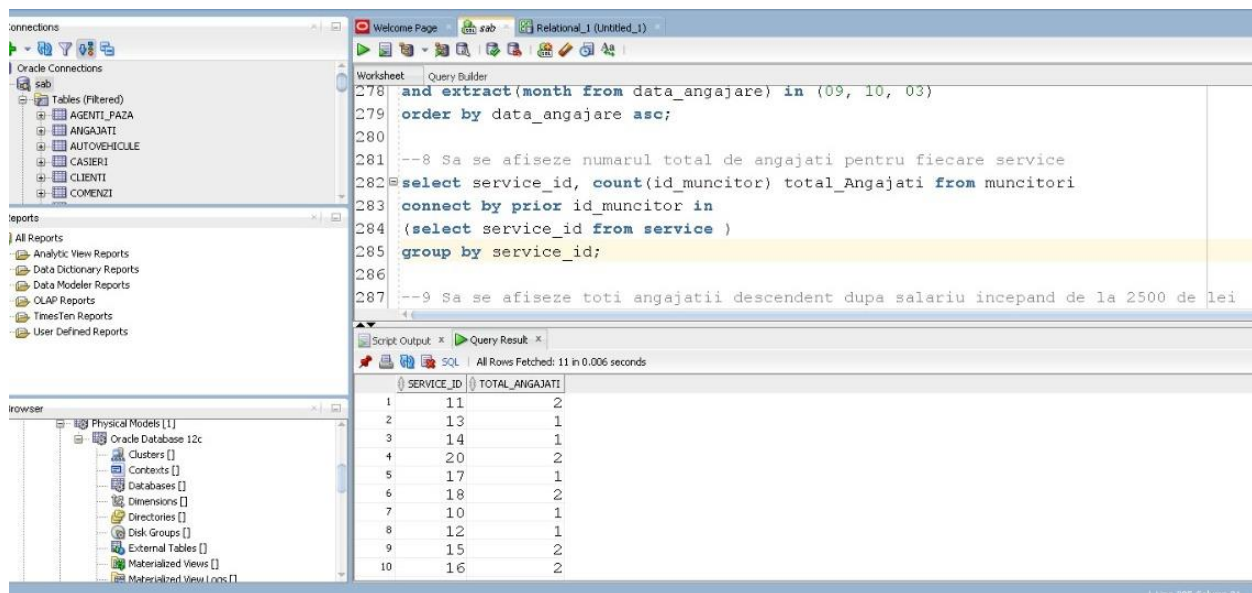
```
and extract(month from data_angajare) in (09, 10, 03)
```

```
order by data_angajare asc;
```





--8 Sa se afiseze numarul total de angajati pentru fiecare service  
select service\_id, count(id\_muncitor) total\_Angajati from muncitori  
connect by prior id\_muncitor in  
(select service\_id from service )  
group by service\_id;



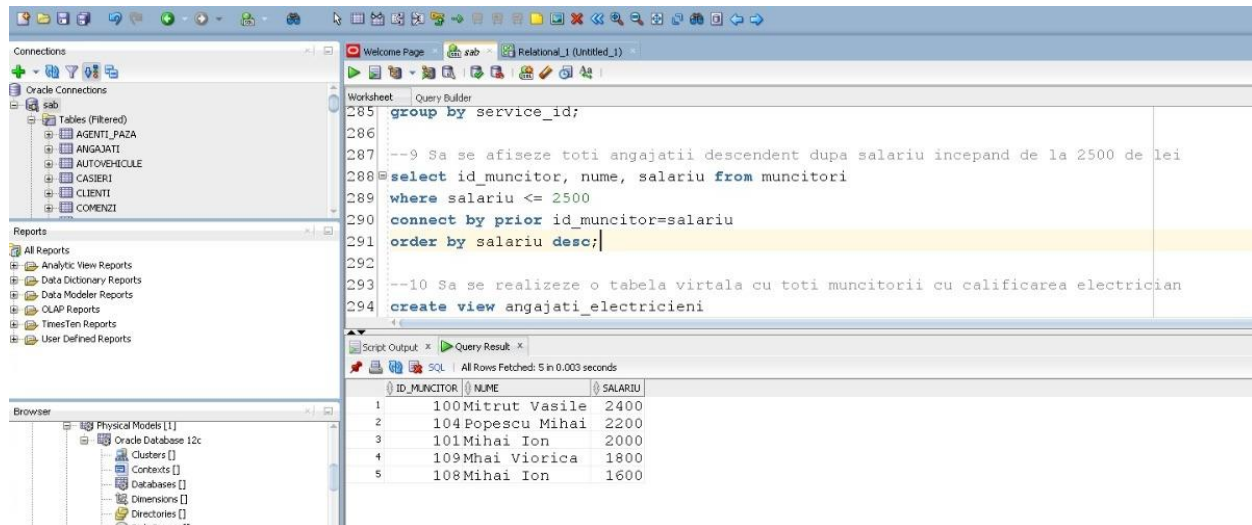
--9 Sa se afiseze toti angajatii descendent dupa salariu incepand de la 2500 de lei

select id\_muncitor, nume, salariu from muncitori

where salariu <= 2500

connect by prior id\_muncitor=salariu

order by salariu desc;



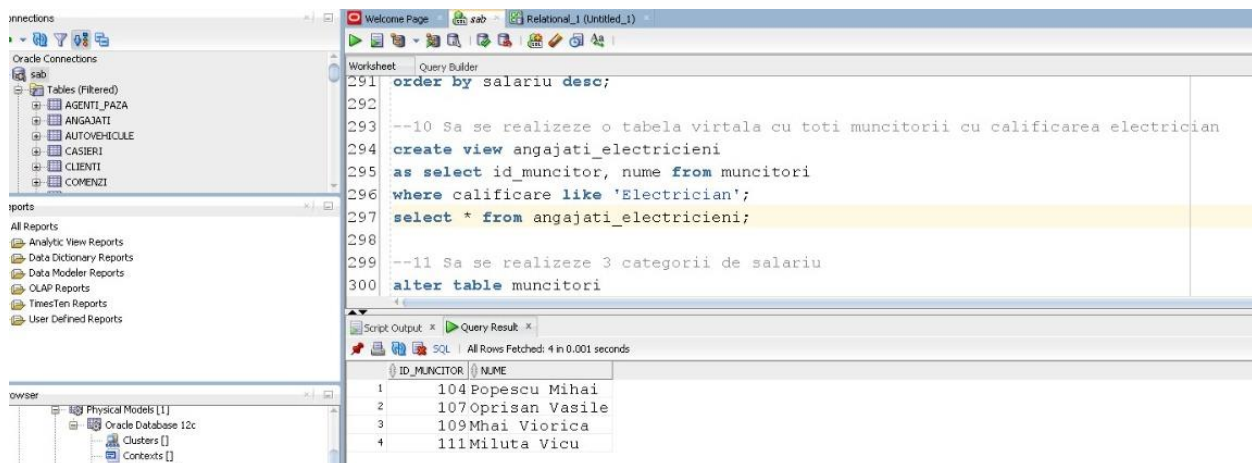
--10 Sa se realizeze o tabela virtuala cu toti muncitorii cu calificarea electrician

create view angajati\_electricieni

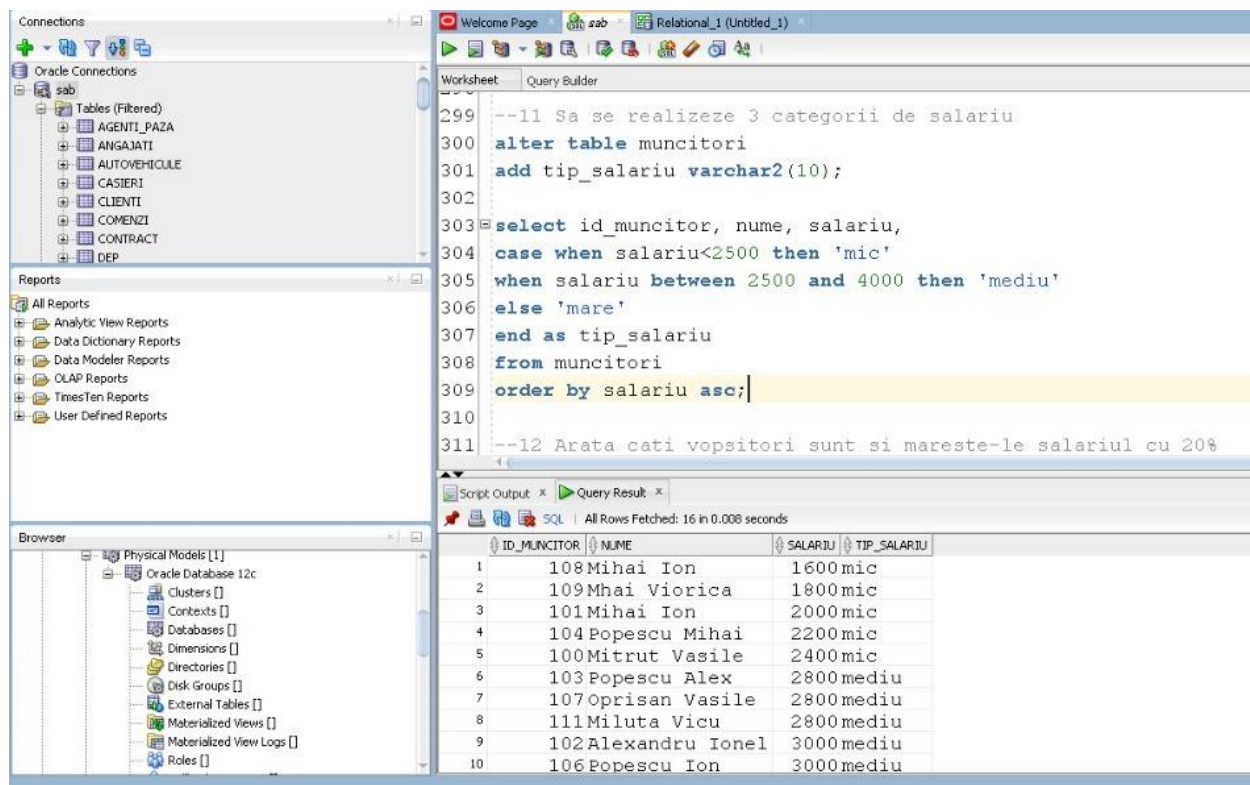
as select id\_muncitor, nume from muncitori

where calificare like 'Electrician';

select \* from angajati\_electricieni;



--11 Sa se realizeze 3 categorii de salariu



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'sab'. Below it, the 'Reports' pane is visible. At the bottom left, the 'Browser' pane shows the database structure. The main window displays a SQL script in the 'Query Builder' tab. The script includes a comment, an ALTER TABLE statement to add a new column, and a SELECT statement with a CASE WHEN clause to categorize salaries. Below the script, the 'Script Output' and 'Query Result' panes show the execution results. The query result is a table with 10 rows, showing employee IDs, names, salaries, and their assigned categories.

```
299 --11 Sa se realizeze 3 categorii de salariu
300 alter table muncitori
301 add tip_salariu varchar2(10);
302
303 select id_muncitor, nume, salariu,
304 case when salariu < 2500 then 'mic'
305 when salariu between 2500 and 4000 then 'mediu'
306 else 'mare'
307 end as tip_salariu
308 from muncitori
309 order by salariu asc;
```

ID_MUNCITOR	NUME	SALARIU	TIP_SALARIU
1	108Mihai Ion	1600	mic
2	109Mhai Viorica	1800	mic
3	101Mihai Ion	2000	mic
4	104Popescu Mihai	2200	mic
5	100Mitrut Vasile	2400	mic
6	103Popescu Alex	2800	mediu
7	107Oprisan Vasile	2800	mediu
8	111Miluta Vicu	2800	mediu
9	102Alexandru Ionel	3000	mediu
10	106Popescu Ion	3000	mediu

alter table muncitori

add tip\_salariu varchar2(10);

select id\_muncitor, nume, salariu,

case when salariu < 2500 then 'mic'

when salariu between 2500 and 4000 then 'mediu'

else 'mare'

end as tip\_salariu

from muncitori

order by salariu asc;

--12 Arata cati vopsitori sunt si mareste-le salariul cu 20%

```
select count(id_muncitor) Vopsitori
```

```
from muncitori
```

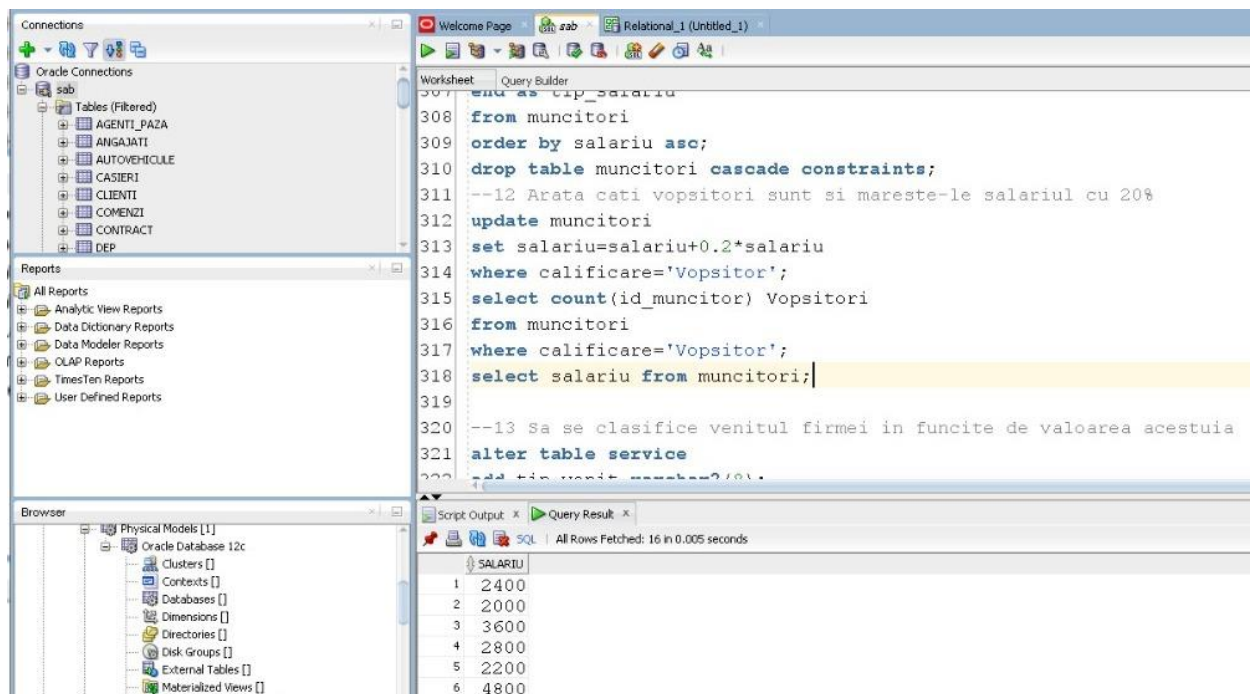
```
where calificare='Vopsitor';
```

```
update muncitori
```

```
set salariu=salariu+0.2*salariu
```

```
where calificare='Vopsitor';
```

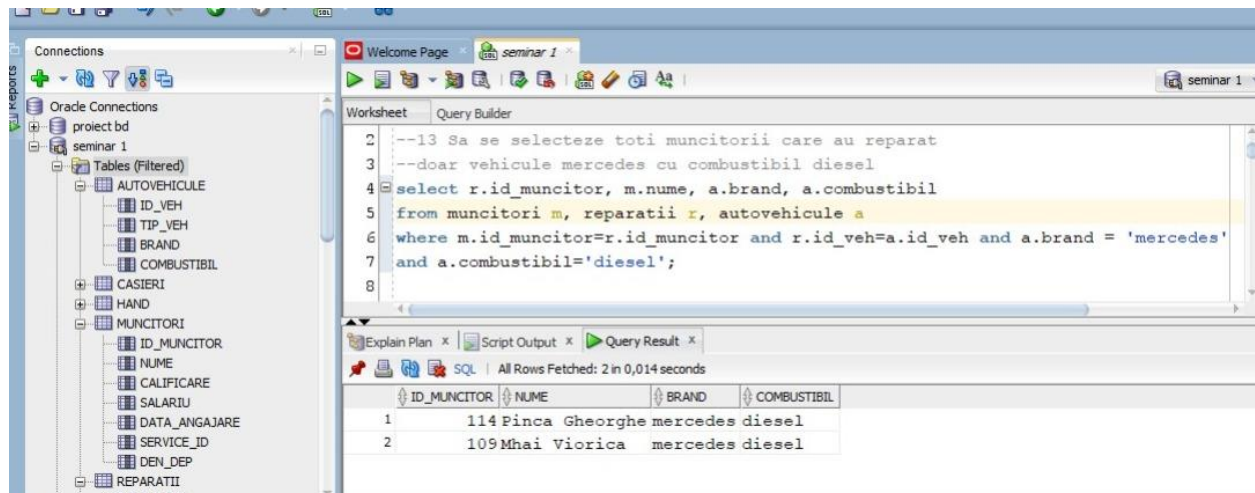
```
select venit from service;
```



--13 Sa se selecteze toti muncitorii care au reparat doar vehicule mercedes cu combustibil diesel

```
select r.id_muncitor, m.nume, a.brand, a.combustibil from muncitori m, reparatii r,  
autovehicule a
```

```
where m.id_muncitor=r.id_muncitor and r.id_veh=a.id_veh and a.brand =  
'mercedes' and a.combustibil='diesel';
```

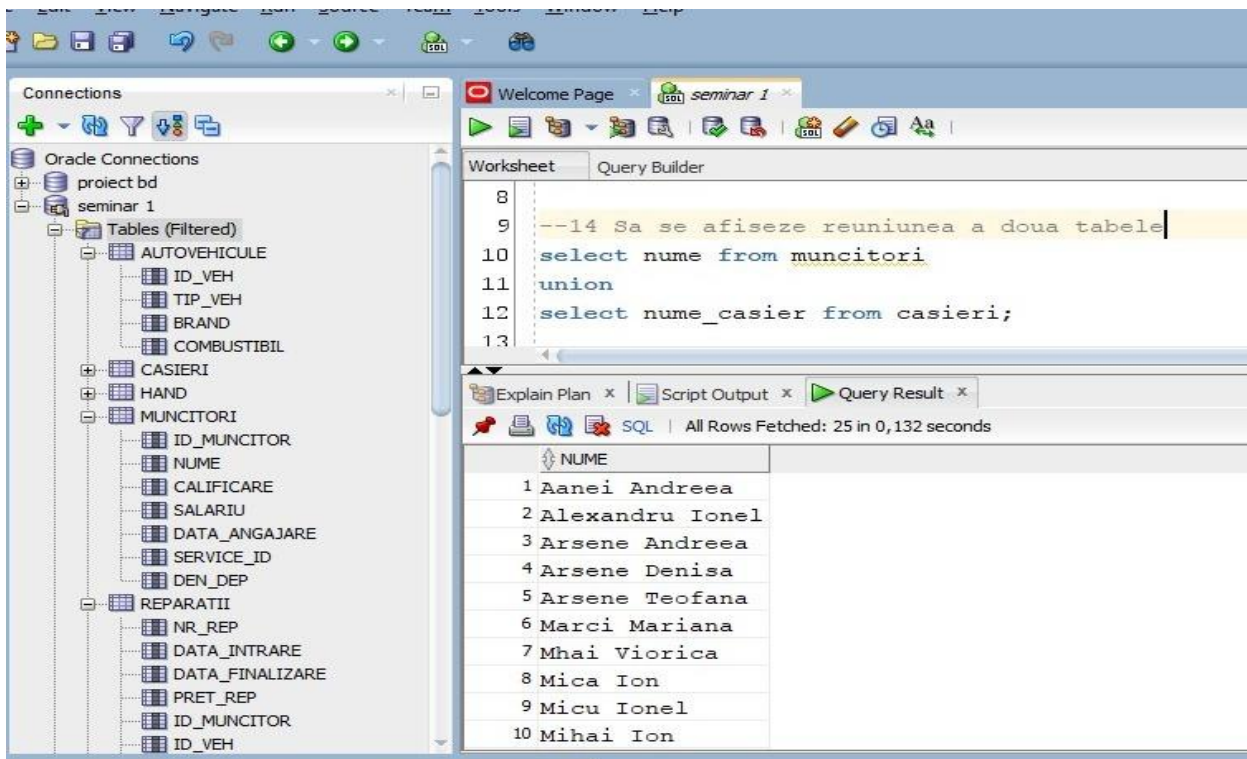


--14 Sa se afiseze reuniunea a doua tabele

select nume from muncitori

union

select nume\_casier from casieri; select \* from autovehicule;





--15 Sa se selecteze motocicletele dar care nu au brandul bmw

```
select id_veh, tip_veh, brand
```

```
from autovehicule
```

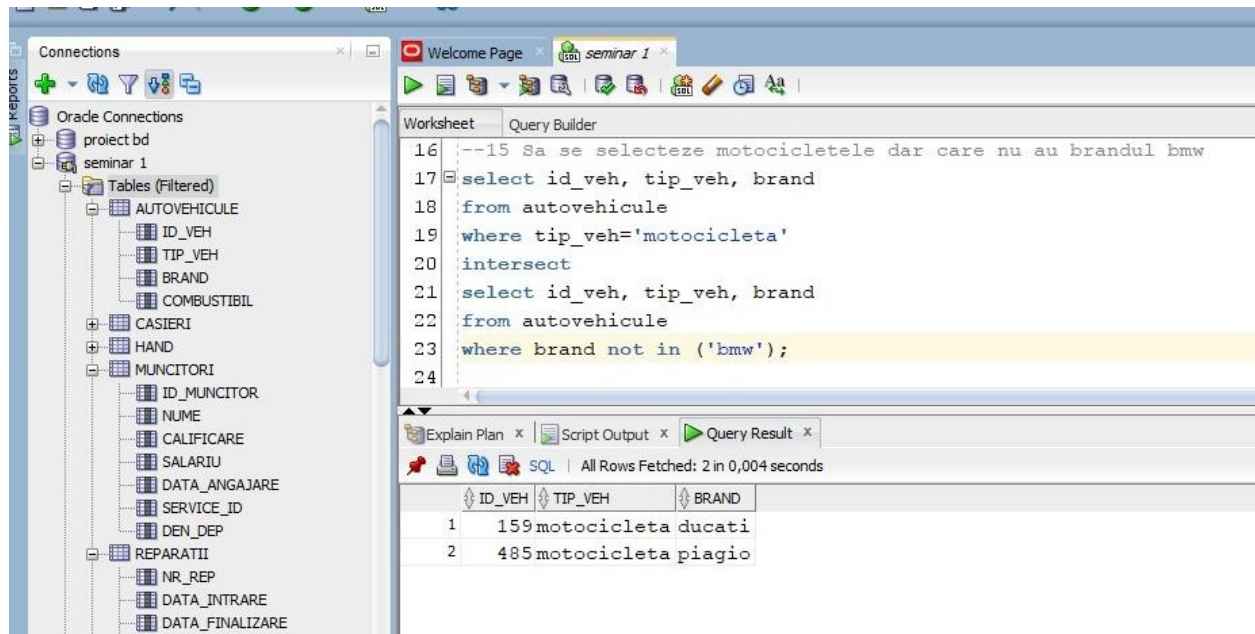
```
where tip_veh='motocicleta'
```

```
intersect
```

```
select id_veh, tip_veh, brand
```

```
from autovehicule
```

```
where brand not in ('bmw');
```



--16 Sa se afiseze vehiculele ce au fost reparate cu brand ul bmw

```
select a.id_veh, a.tip_veh, a.brand, r.nr_rep, r.pret_rep
```

```
from autovehicule a
```

```
inner join reparatii r on
```

```
a.id_veh=r.id_veh
```

```
where brand = 'bmw';
```

The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays a tree structure for 'proiect bd' and 'seminar 1'. The 'Tables (Filtered)' list includes AUTOVEHICULE, CASIERI, HAND, MUNCITORI, and REPARATII. The main window shows a SQL query in the 'Query Builder' tab:

```

24
25 --16 Sa se afiseze vehiculele ce au fost reparate cu brand ul bmw
26 select a.id_veh, a.tip_veh, a.brand, r.nr_rep, r.pret_rep
27 from autovehicule a
28 inner join reparatii r on
29 a.id_veh=r.id_veh
30 where brand = 'bmw';
31
32 --17 Sa se realizeze o tabela virtuala cu toate reparatiile ce au val

```

Below the query, the 'Query Result' tab shows the results of the query:

ID_VEH	TIP_VEH	BRAND	NR_REP	PRET_REP	
1	332	motocicleta	bmw	12408	3214
2	568	motocicleta	bmw	12486	356.45

--17 Sa se realizeze o tabela virtuala cu toate reparatiile ce au valoarea mai  
--mare de 300 de lei si sa se stearga cele care au valoarea mai mica de 300 de lei  
create view reparatii\_medii  
as select \* from reparatii  
where pret\_rep > 300;  
select \* from reparatii\_medii;  
delete from reparatii\_medii  
where pret\_rep<300;

The screenshot shows the Oracle SQL Developer interface with a SQL query in the 'Query Builder' tab:

```

32 --17 Sa se realizeze o tabela virtuala cu toate reparatiile ce au valoarea mai
33 --mare de 300 de lei si sa se stearga
34 --cele care au valoarea mai mica de 300 de lei
35 create view reparatii_med
36 as select * from reparatii
37 where pret_rep > 300;
38 select * from reparatii_med;
39 delete from reparatii_med
40 where pret_rep<300;

```

Below the query, the 'Query Result' tab shows the results of the query:

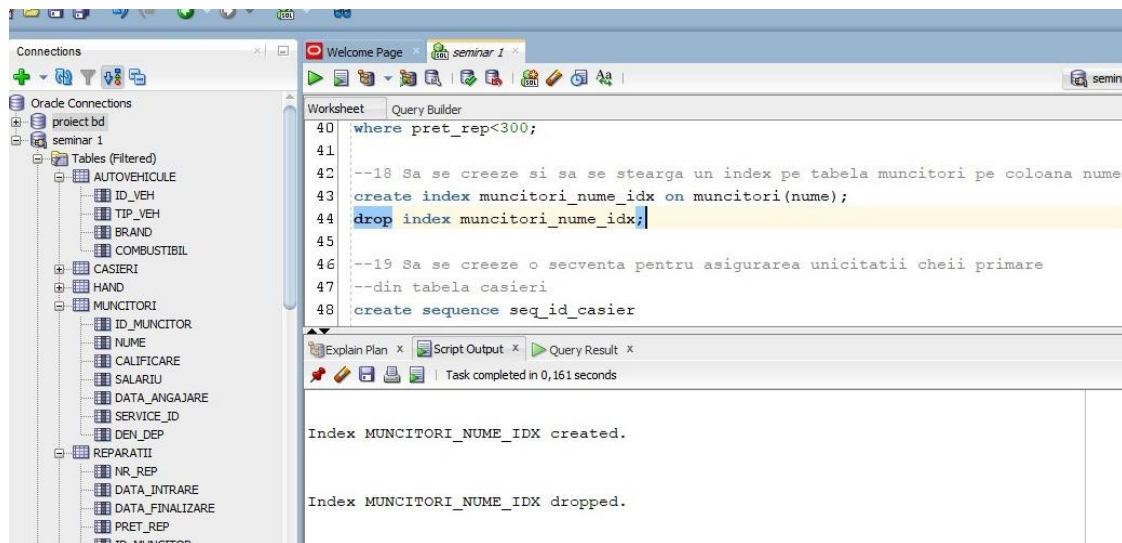
NR_REP	DATA_INTRARE	DATA_FINALIZARE	PRET_REP	ID_MUNCITOR	ID_VEH	NUME_CASIER
1	12443 02-JAN-23	04-JAN-23	356.32	100	159	Marci Mariana
2	12408 03-JAN-23	05-JAN-23	3214	114	332	Vartic Andreea
3	12403 02-JAN-23	08-JAN-23	654.5	103	559	Arsene Teofana
4	12434 03-JAN-23	04-JAN-23	546.56	102	643	Arsene Andreea
5	12486 02-JAN-23	09-JAN-23	356.45	101	568	Vartic Maria
6	12654 07-JAN-23	12-JAN-23	332.32	109	852	Arsene Andreea
7	12435 08-JAN-23	10-JAN-23	3214	106	990	Mica Ion

--18 Sa se creeze si sa se stearga un index pe tabela muncitori pe coloana nume  
create index muncitori\_num\_idx on muncitori(nume);

select \* from user\_indexes;

drop index muncitori\_num\_idx;

select id\_casier from casieri;



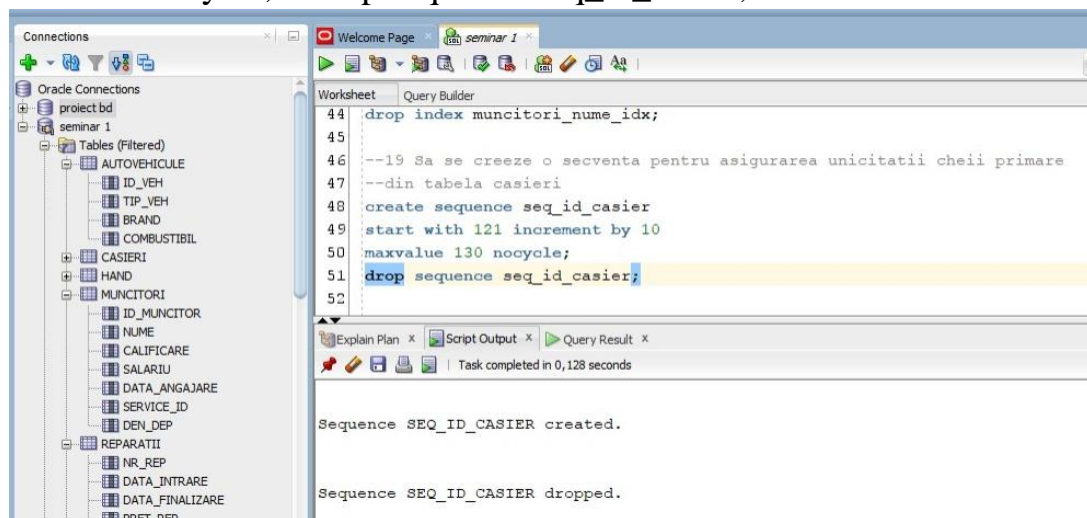
--19 Sa se creeze o secventa pentru asigurarea unicitatii cheii primare

--din tabela casieri

create sequence seq\_id\_casier

start with 121 increment by 10

maxvalue 130 nocycle; drop sequence seq\_id\_casier;





--20 Sa se creeze un sinonim pentru tabela Muncitori

create synonym nume for muncitori;

select\* from user\_synonyms;

drop synonym nume;

