--1. Write a query to create below tables with given structure details.

--Master Table: User_details

--column_name data type constraint

--user_id number pk

--user_name varchar2 not null, unique

--password varchar2 check (password should contain at least one "@" character)

--Master Table: Application_Details

--Column_name data type Constraint

--Application_id number pk

--application_name varchar2 not null

--Child table: user_application_responsibility table

--Column_name data type Constraint

--resposibility_id number PK

--responsibility_name varchar2 Not Null

--created_by_user_id number FK to User_details table(user_id) on delete set null

--created_By_name varchar2 not null

--created_date date check constraint (created_date >'31-dec-2000')

--application_id number FK to Application Details (Application_id) on delete

--

--cascade rule

--Master Table: User_details

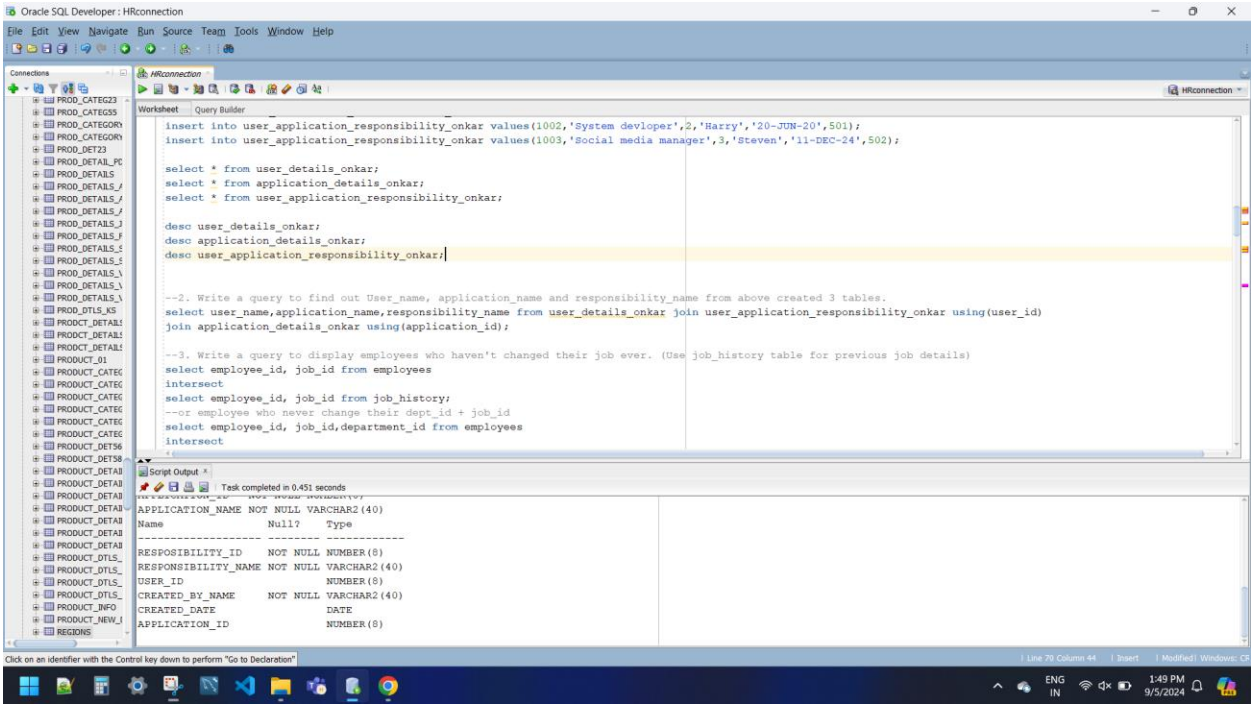
create table user_details_onkar(

user_id number(8) constraint pk_user_onkar primary key,

user_name varchar2(40) constraint nn_user_name_onkar not null constraint unique_user_name_onkar unique,

```
user_password varchar2(10) constraint check_user_pass_onkar
check(instr(user_password,'@',1)>0)

);


desc user_details_onkar;


--select * from user_constraints where table_name='USER_DETAILS_ONKAR';


--Master Table: Application_Details

create table application_details_onkar(

application_id number(8) constraint pk_application_details_onkar primary key,

application_name varchar2(40) constraint nn_application_name_onkar not null

);


desc application_details_onkar;


--child Table: user_application_responsibility

create table user_application_responsibility_onkar(

resposibility_id number(8) constraint pk_resposibility_id_onkar primary key,

responsibility_name varchar2(40) constraint nn_responsibility_name_onkar Not Null,

user_id number(8) constraint fk_user_id_onkar REFERENCES user_details_onkar(user_id)
on delete set null,

created_by_name varchar2(40) constraint nn_respnsibility_name_desc_onkar  not null,

created_date date constraint check_created_date_onkar check(created_date
>to_date('31-dec-2000','DD-MON-YY')),

application_id number(8) constraint fk_application_id_onkar references
application_details_onkar(application_id) on delete cascade
```

```
);

insert into user_details_onkar values(1,'Onkar','onkar@111');

insert into user_details_onkar values(2,'Ram','ram@111');

insert into user_details_onkar values(3,'Max','max@123');

insert into application_details_onkar values(500,'Insta');

insert into application_details_onkar values(501,'Fb');

insert into application_details_onkar values(502,'Snap');

insert into user_application_responsibility_onkar values(1000,'Software
devloper',1,'Henry','01-FEB-24',500);

insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-
MAR-22',500);

insert into user_application_responsibility_onkar values(1002,'System
devloper',2,'Harry','20-JUN-20',501);

insert into user_application_responsibility_onkar values(1003,'Social media
manager',3,'Steven','11-DEC-24',502);

select * from user_details_onkar;

select * from application_details_onkar;

select * from user_application_responsibility_onkar;

desc user_details_onkar;

desc application_details_onkar;

desc user_application_responsibility_onkar;
```


Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
desc user_details_onkar;
desc application_details_onkar;
desc user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
--3. Write a query to display employees who haven't changed their job ever. (Use job_history table for previous job details)
select employee_id, job_id from employees
intersect
select employee_id, job_id from job_history;
--or employee who never change their dept_id + job_id
select employee_id, job_id,department_id from employees
intersect
Script Output
Task completed in 0.451 seconds
APPLICATION_NAME NOT NULL VARCHAR2(40)
Name Null? Type
RESPOSIBILITY_ID NOT NULL NUMBER(8)
RESPONSIBILITY_NAME NOT NULL VARCHAR2(40)
USER_ID NUMBER(8)
CREATED_BY_NAME NOT NULL VARCHAR2(40)
CREATED_DATE DATE
APPLICATION_ID NUMBER(8)
Click on an identifier with the Control key down to perform "Go to Declaration"
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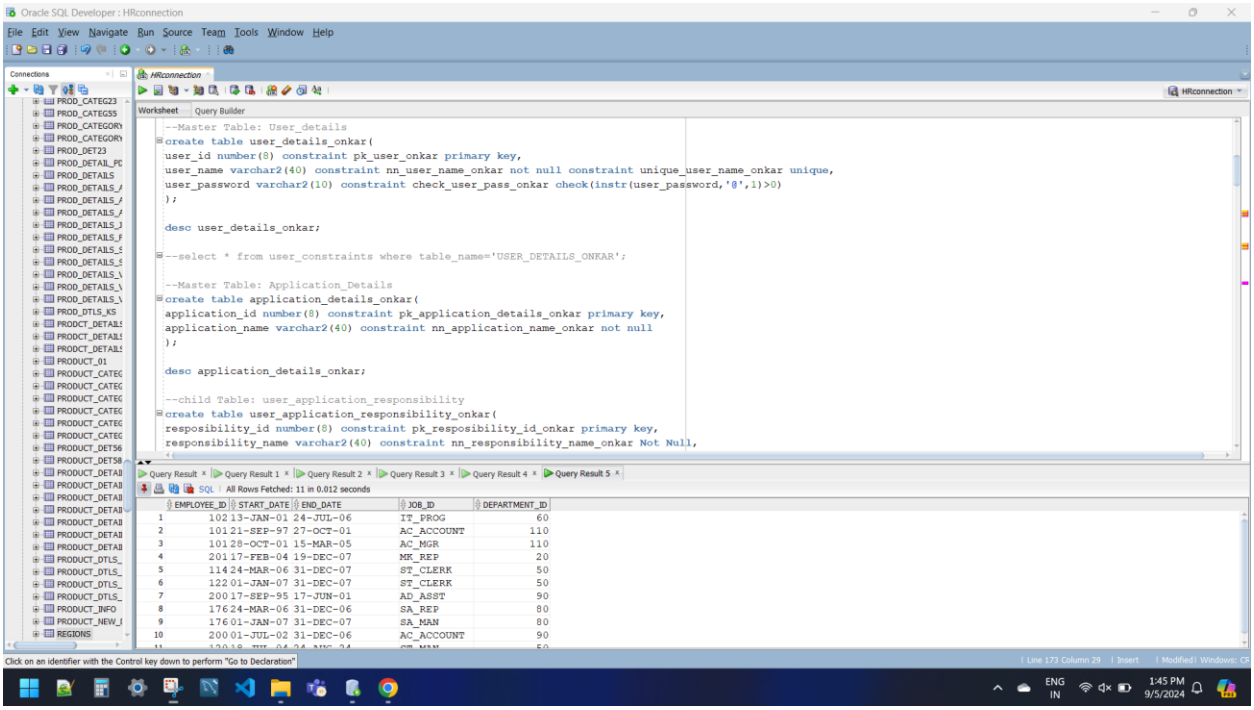
Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
--Master Table: User_details
create table user_details_onkar(
user_id number(8) constraint pk_user_onkar primary key,
user_name varchar2(40) constraint nn_user_name_onkar not null constraint unique_user_name_onkar unique,
user_password varchar2(10) constraint check_user_pass_onkar check(instr(user_password,'0',1)>0)
);
desc user_details_onkar;
--select * from user_constraints where table_name='USER_DETAILS_ONKAR';
--Master Table: Application_Details
create table application_details_onkar(
application_id number(8) constraint pk_application_details_onkar primary key,
application_name varchar2(40) constraint nn_application_name_onkar not null
);
desc application_details_onkar;
--child Table: user_application_responsibility
create table user_application_responsibility_onkar(
resposibility_id number(8) constraint pk_responsibility_id_onkar primary key,
responsibility_name varchar2(40) constraint nn_responsibility_name_onkar Not Null,
Query Result
Query Result 1
Query Result 2
Query Result 3
Query Result 4
Query Result 5
All Rows Fetched: 11 in 0.012 seconds
EMPLOYEE_ID START_DATE END_DATE JOB_ID DEPARTMENT_ID
1 102 13-JAN-01 24-JUL-06 IT_PROG 60
2 101 21-SEP-97 27-OCT-01 AC_ACCOUNT 110
3 101 28-OCT-01 15-MAR-05 AC_MGR 110
4 201 17-FEB-04 19-DEC-07 MK_REP 20
5 114 24-MAR-06 31-DEC-07 ST_CLERK 50
6 122 01-JAN-07 31-DEC-07 ST_CLERK 50
7 200 17-SEP-95 17-JUN-01 AD_ASST 90
8 176 24-MAR-06 31-DEC-06 SA_REP 80
9 176 01-JAN-07 31-DEC-07 SA_MAN 80
10 200 01-JUL-02 31-DEC-06 AC_ACCOUNT 90
Click on an identifier with the Control key down to perform "Go to Declaration"
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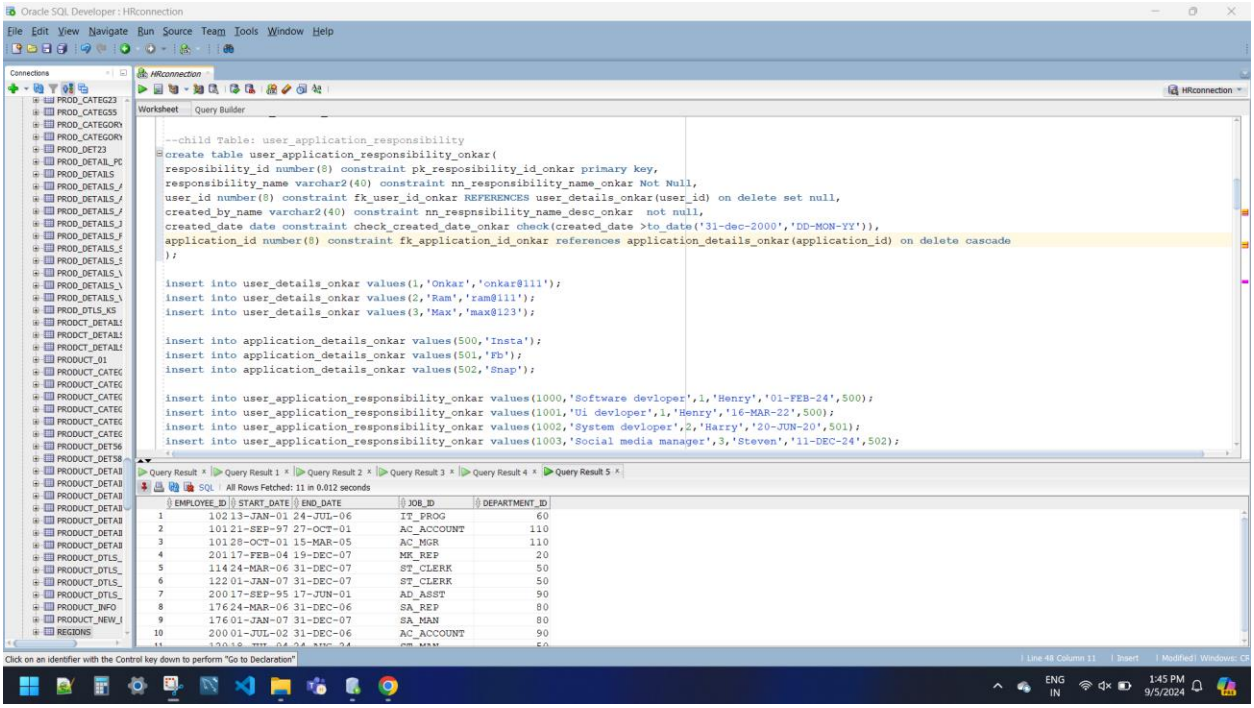
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Worksheet Query Builder
--child Table: user_application_responsibility
create table user_application_responsibility_onkar(
resposibility_id number(8) constraint pk_resposibility_id_onkar primary key,
responsibility_name varchar2(40) constraint nn_responsibility_name_onkar Not Null,
user_id number(8) constraint fk_user_id_onkar REFERENCES user_details_onkar(user_id) on delete set null,
created_by_name varchar2(40) constraint nn_respnsibility_name_desc_onkar not null,
created_date date constraint check_created_date_onkar check(created_date >to_date('31-dec-2000','DD-MON-YY')),
application_id number(8) constraint fk_application_id_onkar references application_details_onkar(application_id) on delete cascade
);
insert into user_details_onkar values(1,'Onkar','onkar@111');
insert into user_details_onkar values(2,'Ram','ram@111');
insert into user_details_onkar values(3,'Max','max@123');
insert into application_details_onkar values(500,'Insta');
insert into application_details_onkar values(501,'Fb');
insert into application_details_onkar values(502,'Snap');
insert into user_application_responsibility_onkar values(1000,'Software devloper',1,'Henry','01-FEB-24',500);
insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-MAR-22',500);
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
Query Result 5
All Rows Fetched: 11 in 0.012 seconds
EMPLOYEE_ID START_DATE END_DATE JOB_ID DEPARTMENT_ID
1 102 13-JAN-01 24-JUL-06 IT_PROG 60
2 101 21-SEP-97 27-OCT-01 AC_ACCOUNT 110
3 101 28-OCT-01 15-MAR-05 AC_MGR 110
4 201 17-FEB-04 19-DEC-07 MK_REP 20
5 114 24-MAR-06 31-DEC-07 ST_CLERK 50
6 122 01-JAN-07 31-DEC-07 ST_CLERK 50
7 200 17-SEP-95 17-JUN-01 AD_ASST 90
8 176 24-MAR-06 31-DEC-06 SA_REP 80
9 176 01-JAN-07 31-DEC-07 SA_MAN 80
10 200 01-JUL-02 31-DEC-06 AC_ACCOUNT 90
Click on an identifier with the Control key down to perform "Go to Declaration"
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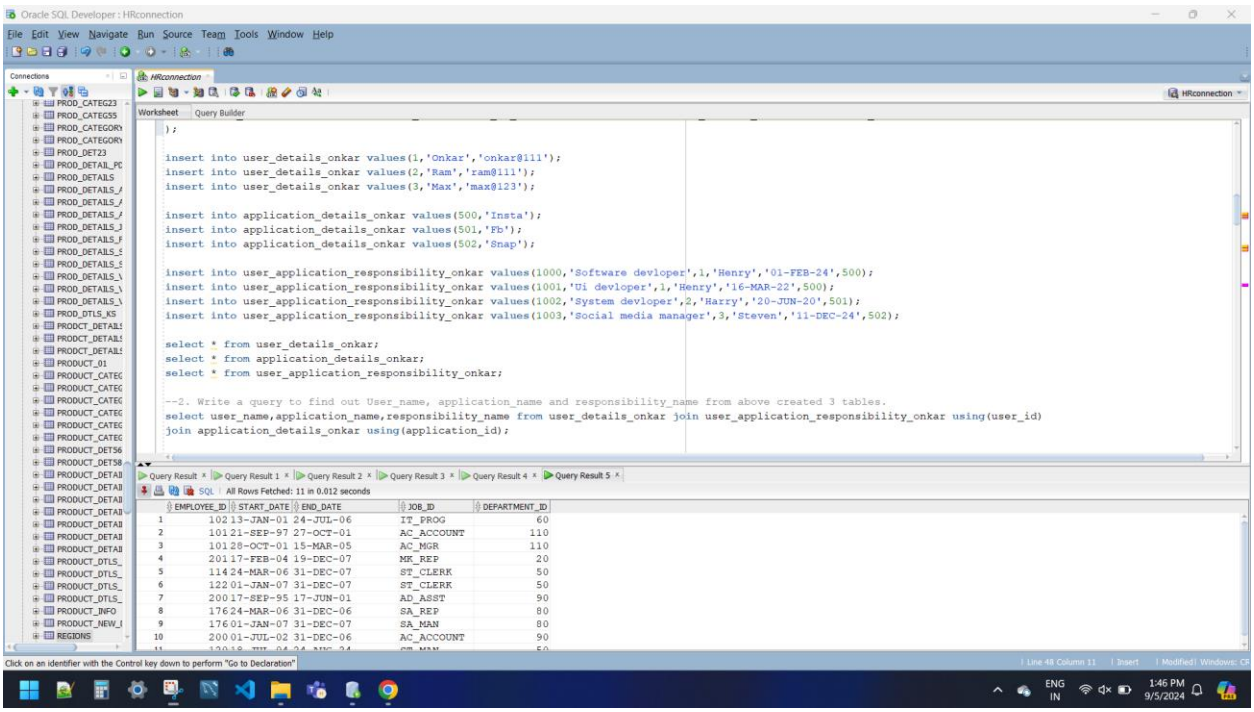
Oracle SQL Developer : HRconnection
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Worksheet Query Builder
);
insert into user_details_onkar values(1,'Onkar','onkar@111');
insert into user_details_onkar values(2,'Ram','ram@111');
insert into user_details_onkar values(3,'Max','max@123');
insert into application_details_onkar values(500,'Insta');
insert into application_details_onkar values(501,'Fb');
insert into application_details_onkar values(502,'Snap');
insert into user_application_responsibility_onkar values(1000,'Software devloper',1,'Henry','01-FEB-24',500);
insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-MAR-22',500);
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
Query Result 5
All Rows Fetched: 11 in 0.012 seconds
EMPLOYEE_ID START_DATE END_DATE JOB_ID DEPARTMENT_ID
1 102 13-JAN-01 24-JUL-06 IT_PROG 60
2 101 21-SEP-97 27-OCT-01 AC_ACCOUNT 110
3 101 28-OCT-01 15-MAR-05 AC_MGR 110
4 201 17-FEB-04 19-DEC-07 MK_REP 20
5 114 24-MAR-06 31-DEC-07 ST_CLERK 50
6 122 01-JAN-07 31-DEC-07 ST_CLERK 50
7 200 17-SEP-95 17-JUN-01 AD_ASST 90
8 176 24-MAR-06 31-DEC-06 SA_REP 80
9 176 01-JAN-07 31-DEC-07 SA_MAN 80
10 200 01-JUL-02 31-DEC-06 AC_ACCOUNT 90
Click on an identifier with the Control key down to perform "Go to Declaration"
ENG IN
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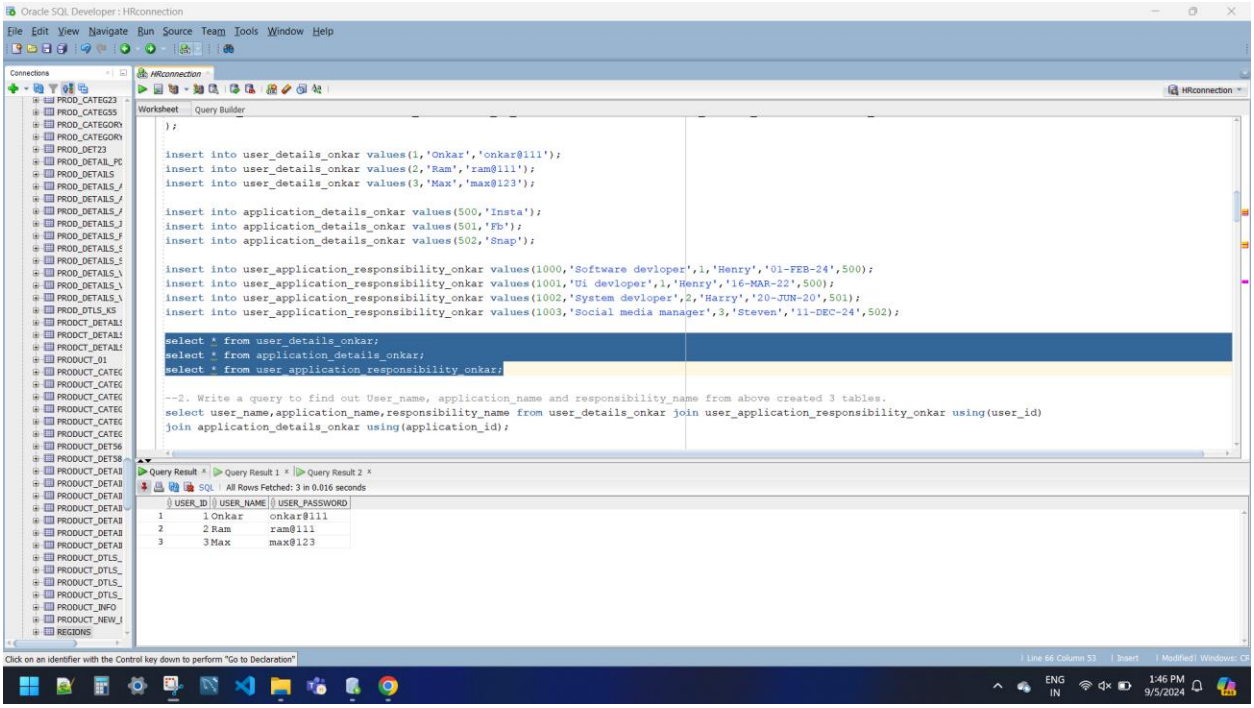
Oracle SQL Developer : HRconnection
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HRconnection
Worksheet Query Builder
);
insert into user_details_onkar values(1,'Onkar','onkar@111');
insert into user_details_onkar values(2,'Ram','ram@111');
insert into user_details_onkar values(3,'Max','max@123');
insert into application_details_onkar values(500,'Insta');
insert into application_details_onkar values(501,'Fb');
insert into application_details_onkar values(502,'Snap');
insert into user_application_responsibility_onkar values(1000,'Software devloper',1,'Henry','01-FEB-24',500);
insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-MAR-22',500);
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
Query Result Query Result 1 Query Result 2
All Rows Fetched: 3 in 0.016 seconds
USER_ID USER_NAME USER_PASSWORD
1 1 Onkar onkar@111
2 2 Ram ram@111
3 3 Max max@123
Click on an identifier with the Control key down to perform "Go to Declaration"
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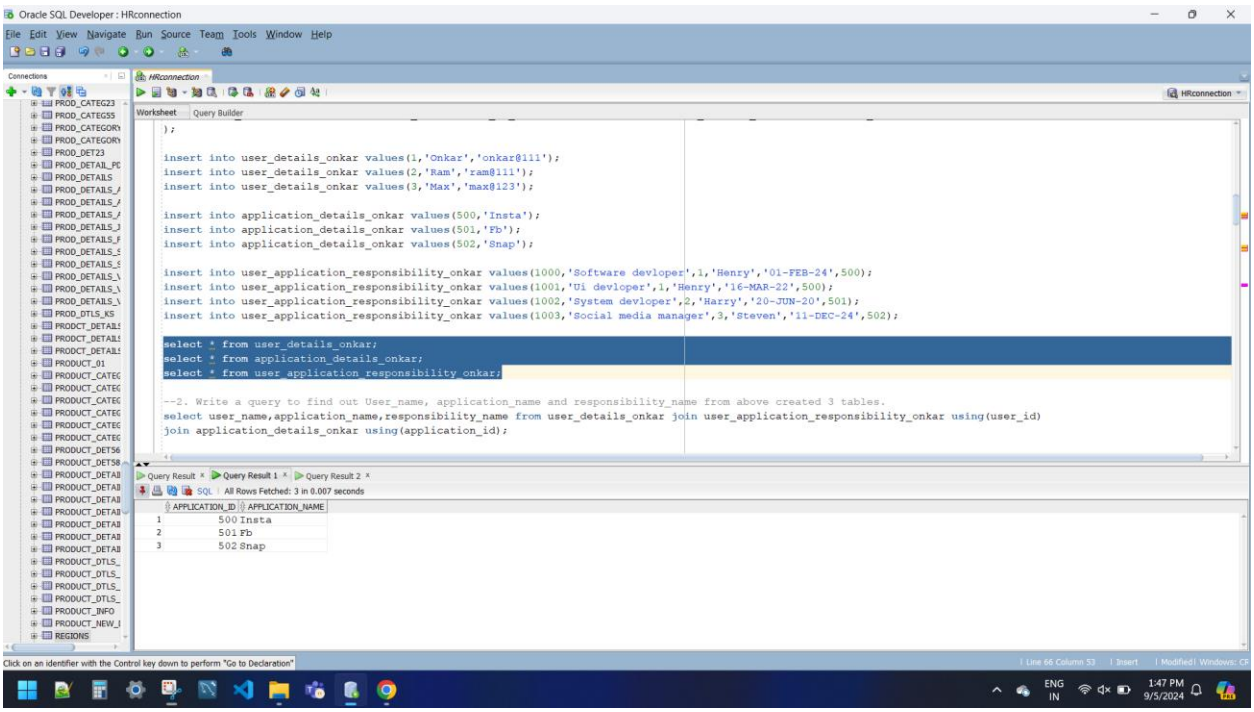
Oracle SQL Developer : HRconnection
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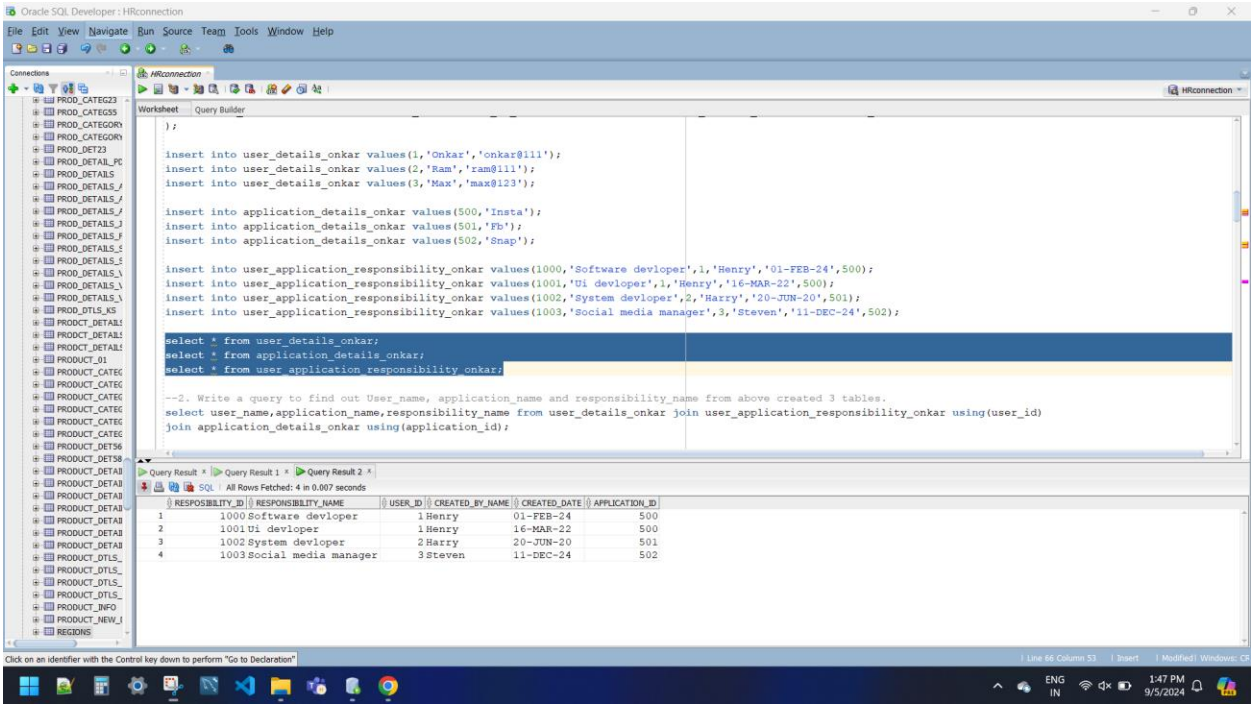
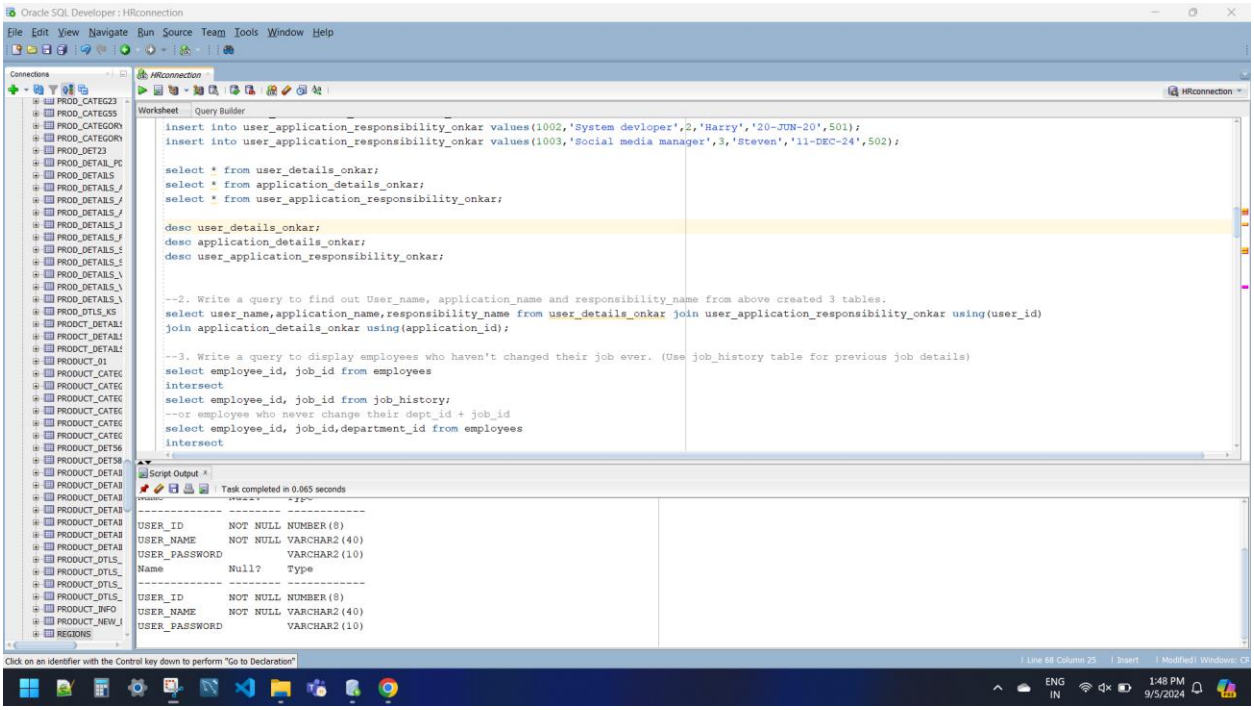
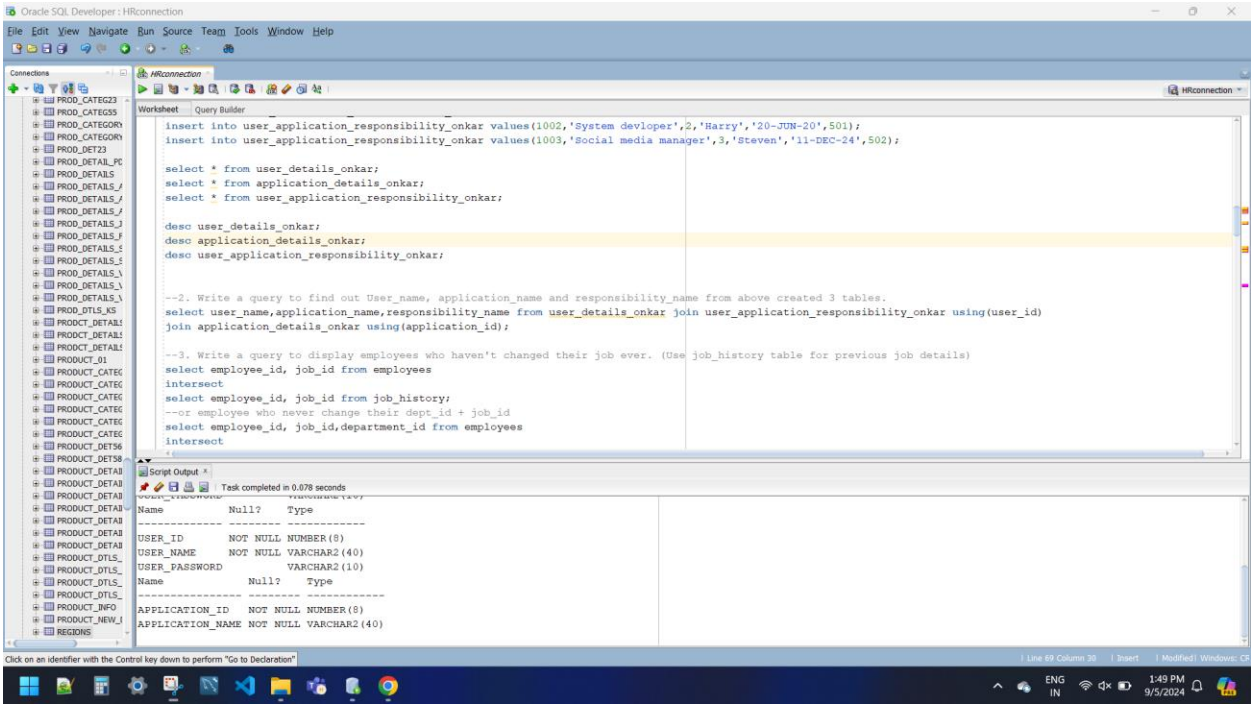
Worksheet Query Builder
);
insert into user_details_onkar values(1,'Onkar','onkar@111');
insert into user_details_onkar values(2,'Ram','ram@111');
insert into user_details_onkar values(3,'Max','max@123');
insert into application_details_onkar values(500,'Insta');
insert into application_details_onkar values(501,'Fb');
insert into application_details_onkar values(502,'Snap');
insert into user_application_responsibility_onkar values(1000,'Software devloper',1,'Henry','01-FEB-24',500);
insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-MAR-22',500);
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
Query Result Query Result 1 Query Result 2
All Rows Fetched: 3 in 0.007 seconds
APPLICATION_ID APPLICATION_NAME
1 500 Insta
2 501 Fb
3 502 Snap
Click on an identifier with the Control key down to perform "Go to Declaration"
ENG IN 1:47 PM 9/5/2024


Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
HRconnection
Worksheet Query Builder
);
insert into user_details_onkar values(1,'Onkar','onkar@111');
insert into user_details_onkar values(2,'Ram','ram@111');
insert into user_details_onkar values(3,'Max','max@123');
insert into application_details_onkar values(500,'Insta');
insert into application_details_onkar values(501,'Fb');
insert into application_details_onkar values(502,'Snap');
insert into user_application_responsibility_onkar values(1000,'Software devloper',1,'Henry','01-FEB-24',500);
insert into user_application_responsibility_onkar values(1001,'Ui devloper',1,'Henry','16-MAR-22',500);
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
Query Result Query Result 1 Query Result 2
All Rows Fetched: 4 in 0.007 seconds
RESPOSIBILITY_ID RESPONSIBILITY_NAME USER_ID CREATED_BY_NAME CREATED_DATE APPLICATION_ID
1 1000 Software devloper 1 Henry 01-FEB-24 500
2 1001 Ui devloper 1 Henry 16-MAR-22 500
3 1002 System devloper 2 Harry 20-JUN-20 501
4 1003 Social media manager 3 Steven 11-DEC-24 502
Click on an identifier with the Control key down to perform "Go to Declaration"
Line 66 Column 53 Insert Modified Windows: CR
ENG IN 1:47 PM 9/5/2024

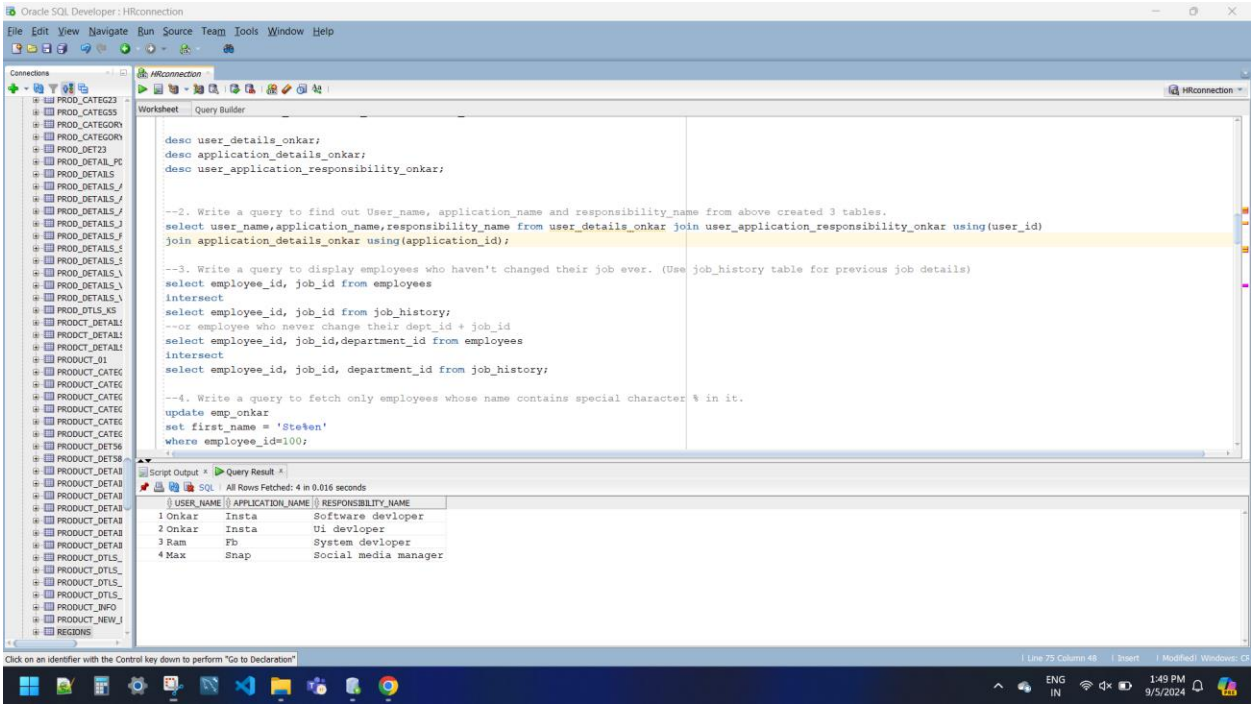

Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
HRconnection
Worksheet Query Builder
insert into user_application_responsibility_onkar values(1002,'System devloper',2,'Harry','20-JUN-20',501);
insert into user_application_responsibility_onkar values(1003,'Social media manager',3,'Steven','11-DEC-24',502);
select * from user_details_onkar;
select * from application_details_onkar;
select * from user_application_responsibility_onkar;
desc user_details_onkar;
desc application_details_onkar;
desc user_application_responsibility_onkar;
--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.
select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)
join application_details_onkar using(application_id);
--3. Write a query to display employees who haven't changed their job ever. (Use job_history table for previous job details)
select employee_id, job_id from employees
intersect
select employee_id, job_id from job_history;
--or employee who never change their dept_id + job_id
select employee_id, job_id,department_id from employees
intersect
Script Output
Task completed in 0.065 seconds
USER_ID NOT NULL NUMBER(8)
USER_NAME NOT NULL VARCHAR2(40)
USER_PASSWORD VARCHAR2(10)
Name Null? Type
USER_ID NOT NULL NUMBER(8)
USER_NAME NOT NULL VARCHAR2(40)
USER_PASSWORD VARCHAR2(10)
Click on an identifier with the Control key down to perform "Go to Declaration"
Line 68 Column 25 Insert Modified Windows: CR
ENG IN 1:48 PM 9/5/2024



--2. Write a query to find out User_name, application_name and responsibility_name from above created 3 tables.

select user_name,application_name,responsibility_name from user_details_onkar join user_application_responsibility_onkar using(user_id)

join application_details_onkar using(application_id);



--3. Write a query to display employees who haven't changed their job ever. (Use job_history table for previous job details)

select employee_id, job_id from employees

intersect

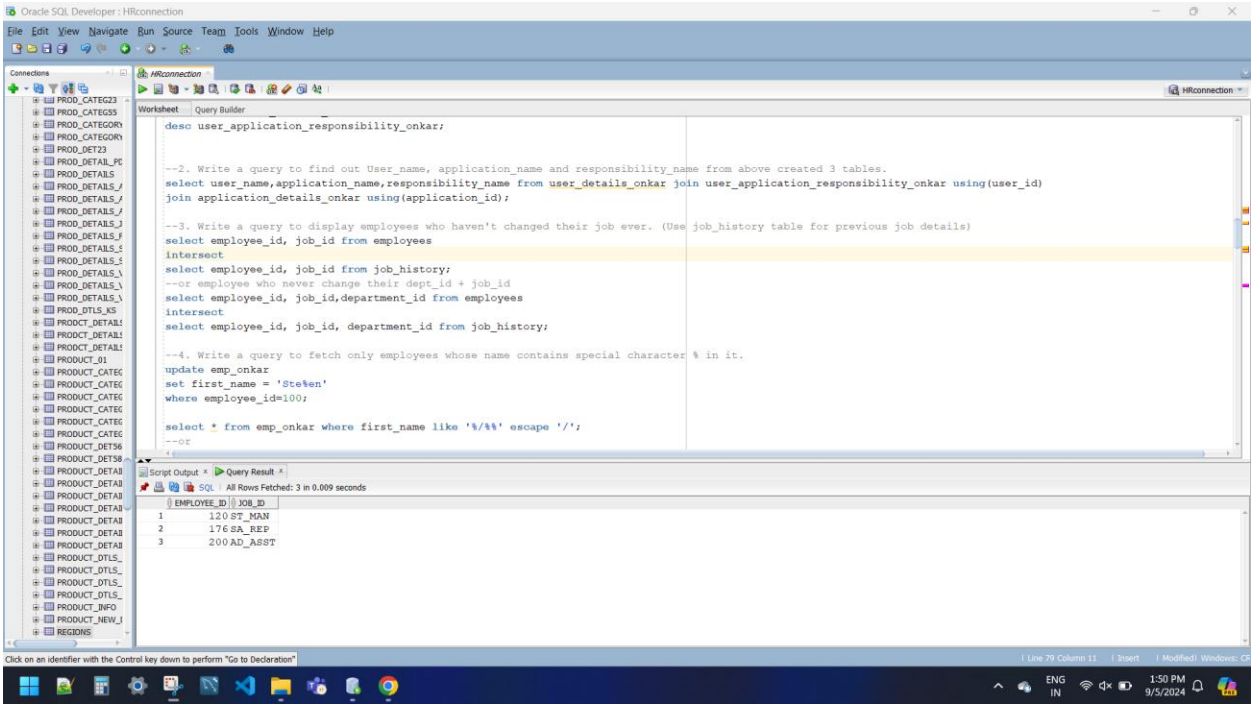
select employee_id, job_id from job_history;

--or employee who never change their dept_id + job_id

select employee_id, job_id,department_id from employees

intersect

select employee_id, job_id, department_id from job_history;



--4. Write a query to fetch only employees whose name contains special character % in it.

update emp_onkar

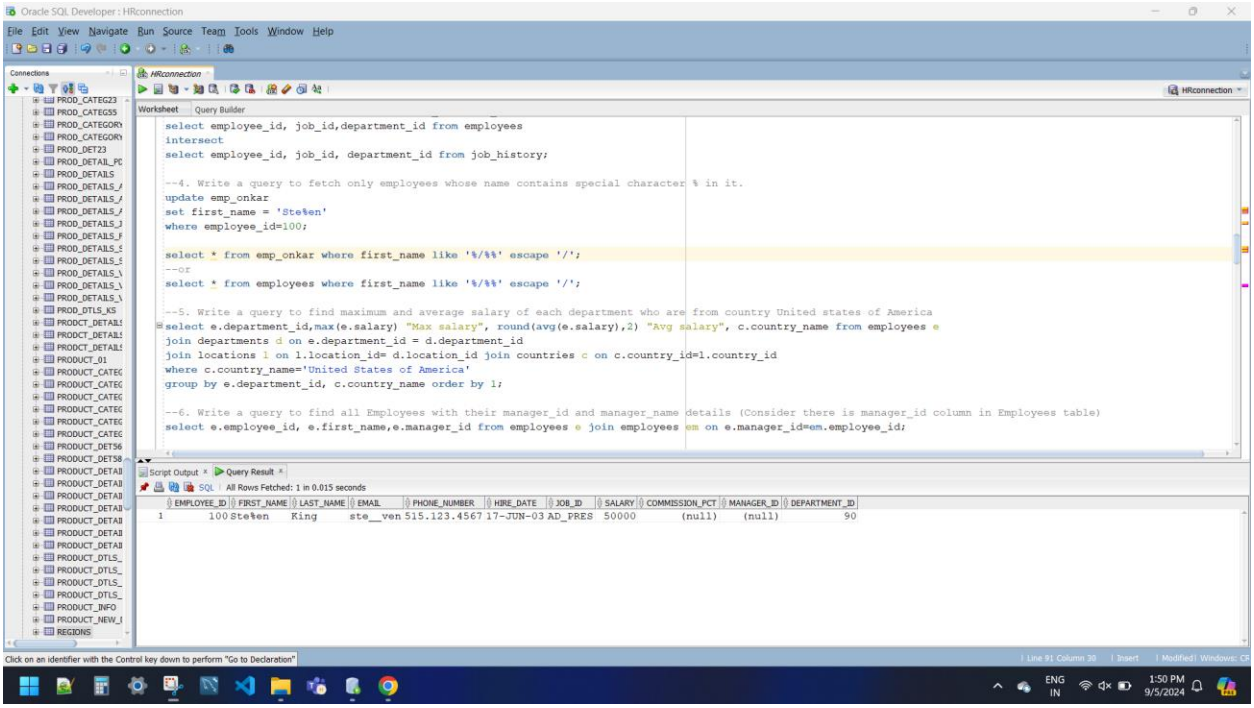
set first_name = 'Ste%en'

where employee_id=100;

select * from emp_onkar where first_name like '%/%%' escape '/';

--or

select * from employees where first_name like '%/%%' escape '/';



--5. Write a query to find maximum and average salary of each department who are from country United states of America

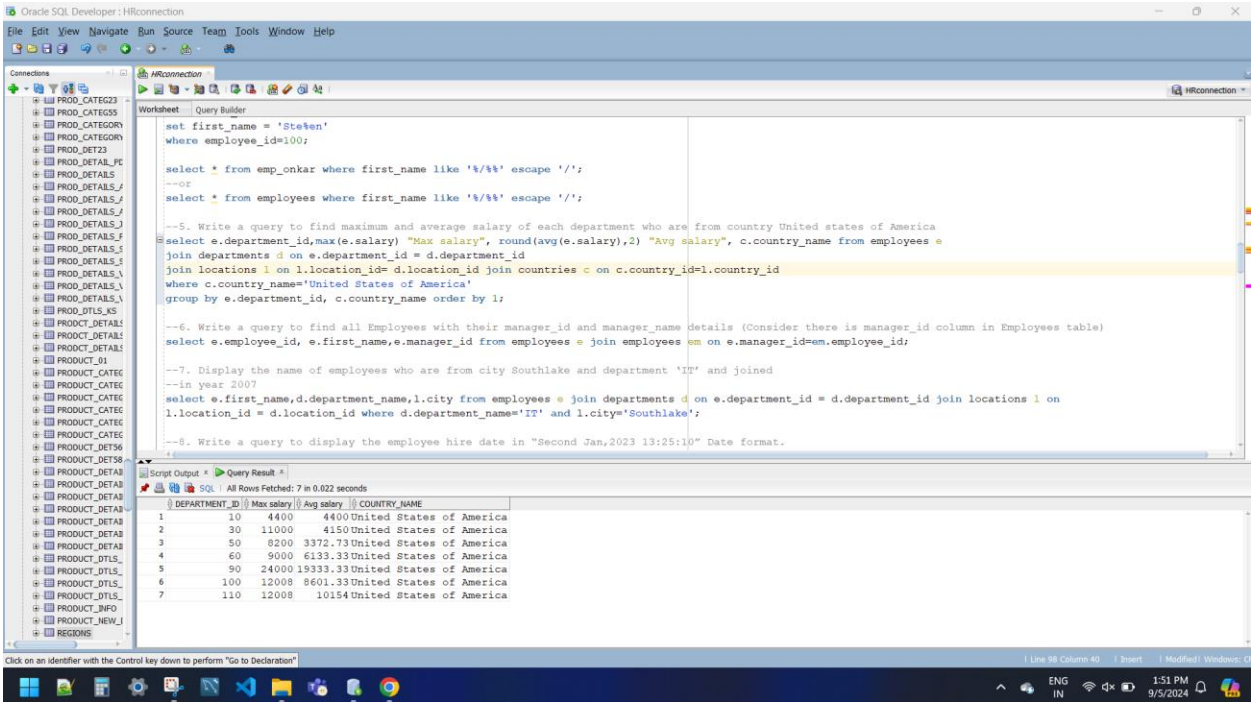
select e.department_id,max(e.salary) "Max salary", round(avg(e.salary),2) "Avg salary", c.country_name from employees e

join departments d on e.department_id = d.department_id

join locations l on l.location_id= d.location_id join countries c on c.country_id=l.country_id

where c.country_name='United States of America'

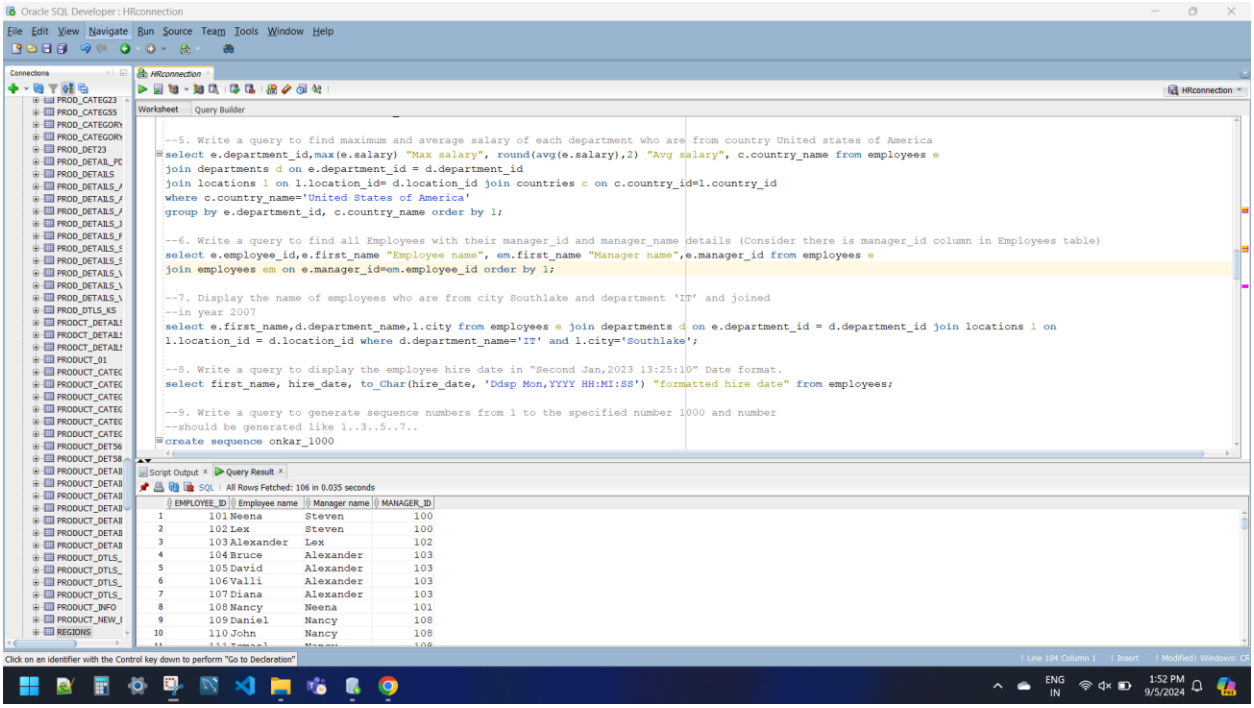
group by e.department_id, c.country_name order by 1;



--6. Write a query to find all Employees with their manager_id and manager_name details (Consider there is manager_id column in Employees table)

select e.employee_id,e.first_name "Employee name", em.first_name "Manager name",e.manager_id from employees e

join employees em on e.manager_id=em.employee_id order by 1;

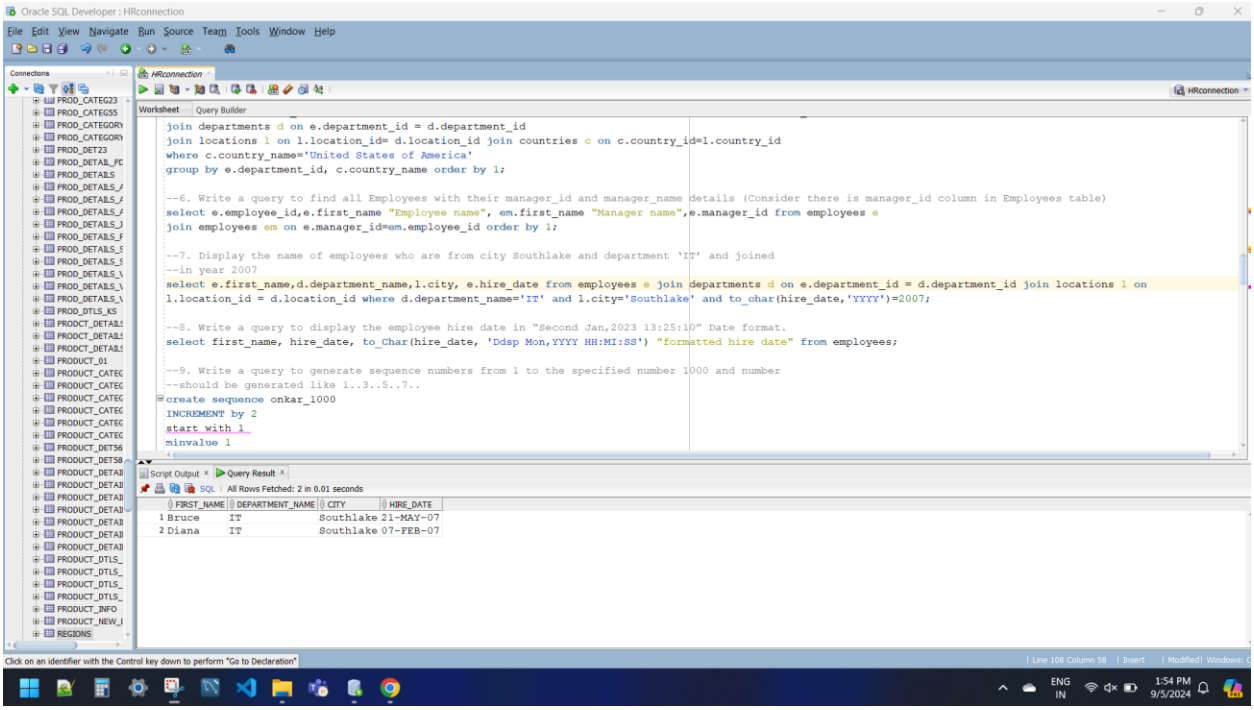


--7. Display the name of employees who are from city Southlake and department ‘IT’ and joined

--in year 2007

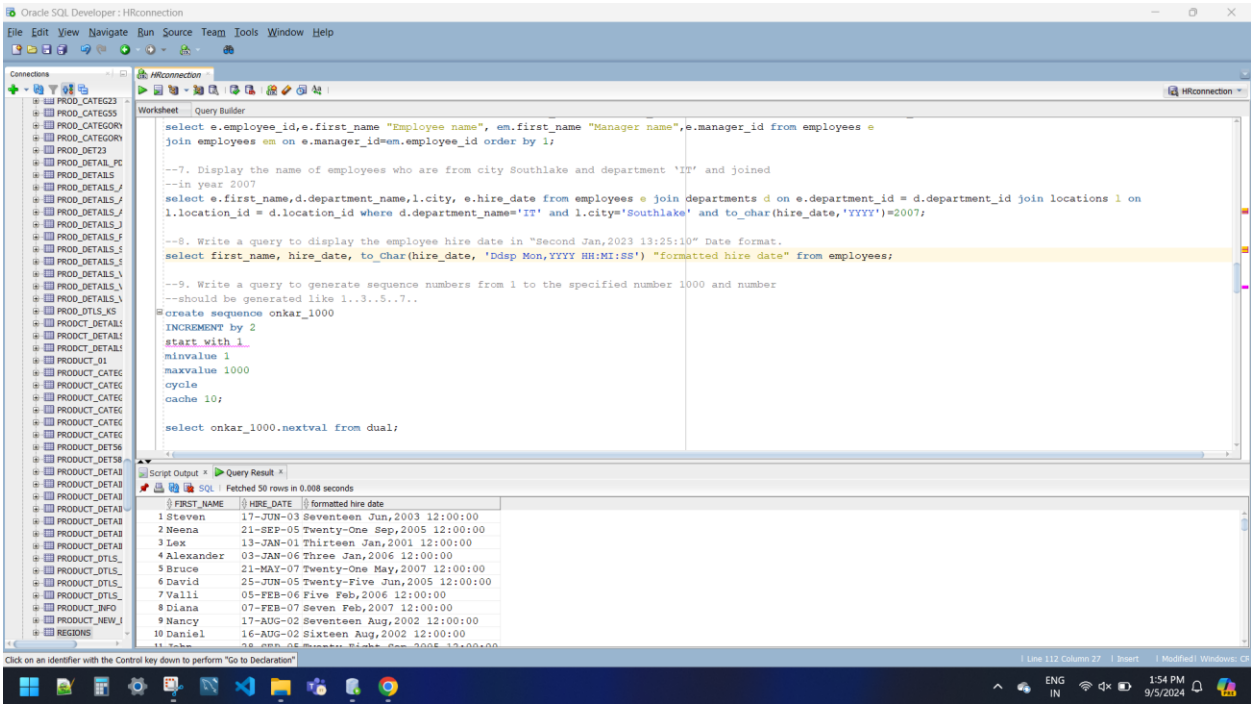
select e.first_name,d.department_name,l.city, e.hire_date from employees e join departments d on e.department_id = d.department_id join locations l on

l.location_id = d.location_id where d.department_name='IT' and l.city='Southlake' and to_char(hire_date,'YYYY')=2007;



--8. Write a query to display the employee hire date in “Second Jan,2023 13:25:10” Date format.

select first_name, hire_date, to_Char(hire_date, 'Ddsp Mon,YYYY HH:MI:SS') "formatted hire date" from employees;



--9. Write a query to generate sequence numbers from 1 to the specified number 1000 and number

--should be generated like 1..3..5..7..

create sequence onkar_1000

INCREMENT by 2

start with 1

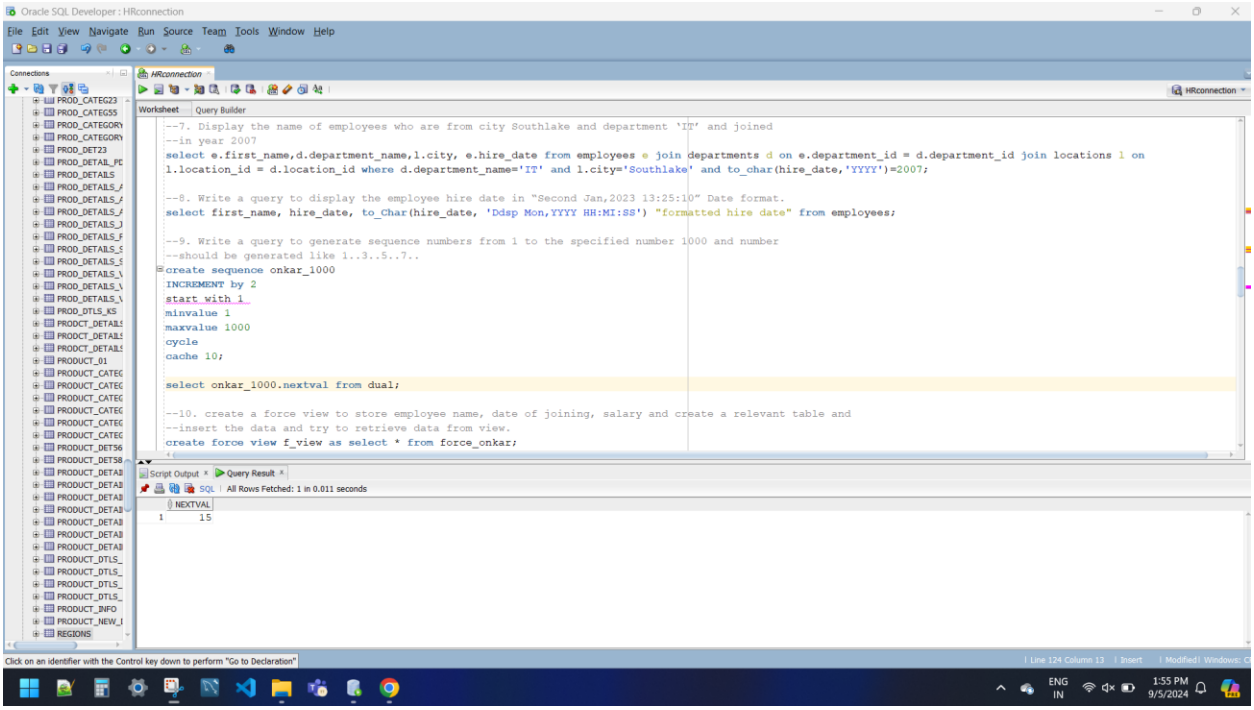
minvalue 1

maxvalue 1000

cycle

cache 10;

select onkar_1000.nextval from dual;



--10. create a force view to store employee name, date of joining, salary and create a relevant table and

--insert the data and try to retrieve data from view.

create force view f_view as select * from force_onkar;

create table force_onkar(

name varchar2(20),

date_of_joining date,

salary number(8,2)

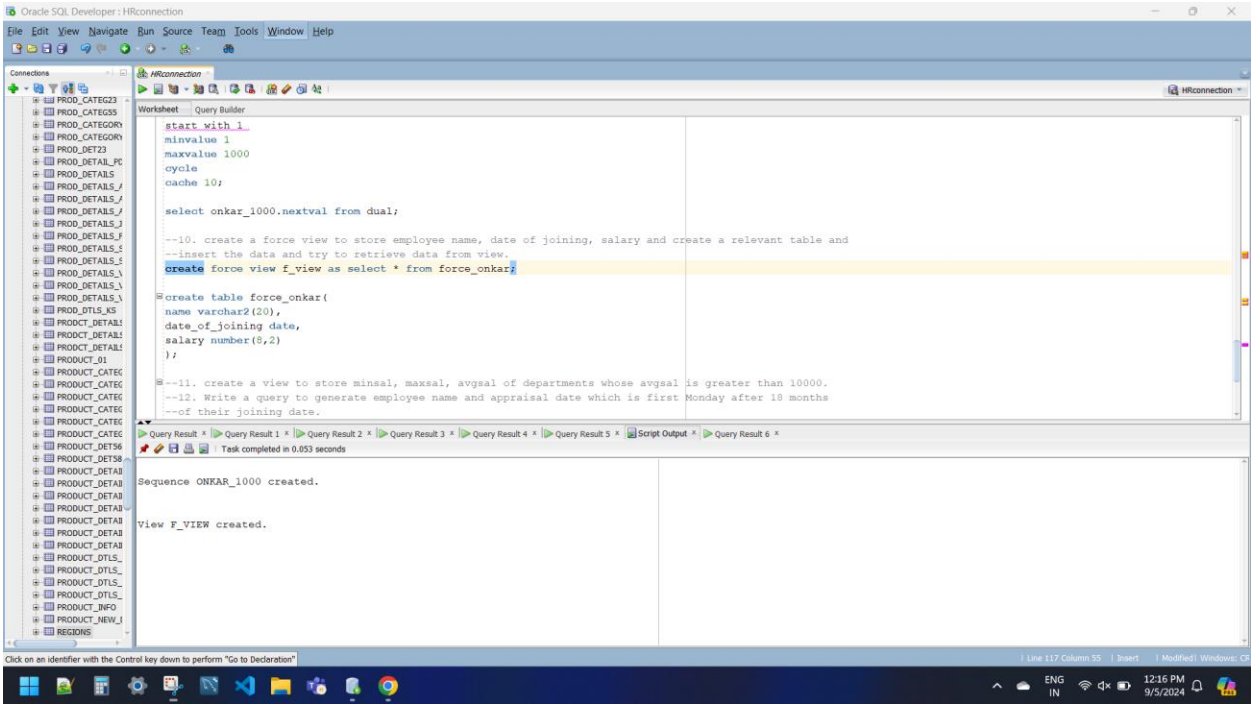
);

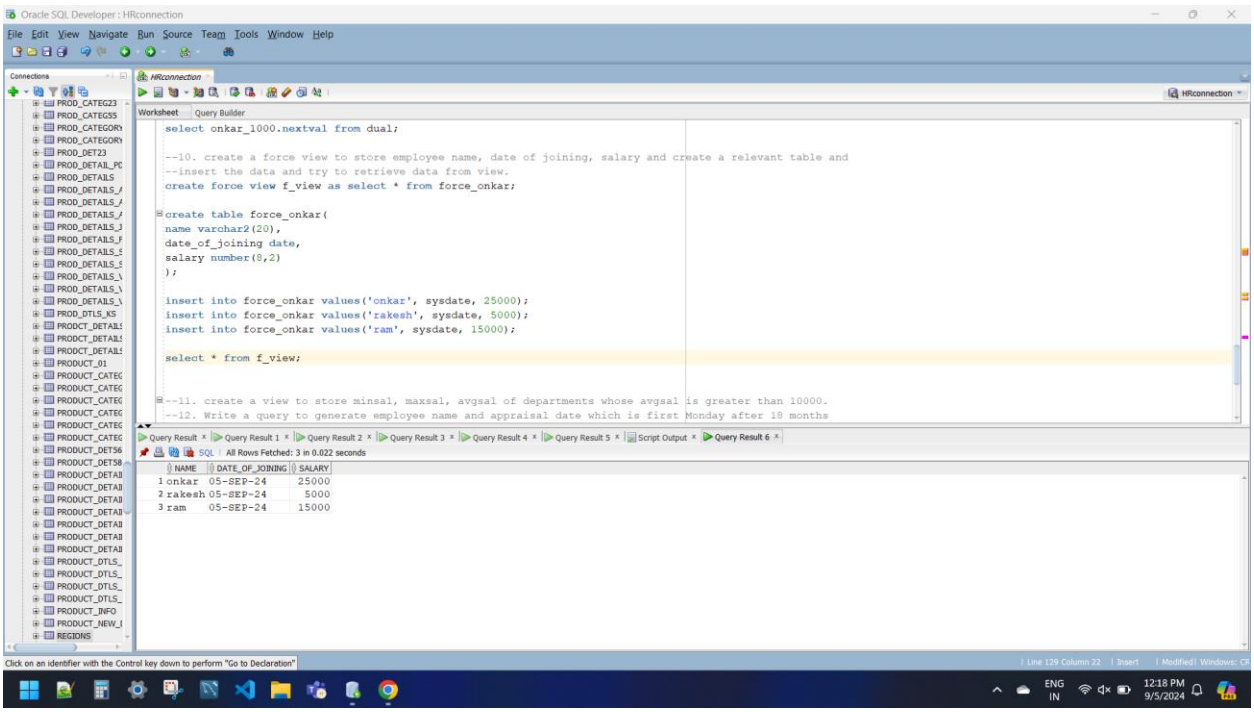
insert into force_onkar values('onkar', sysdate, 25000);

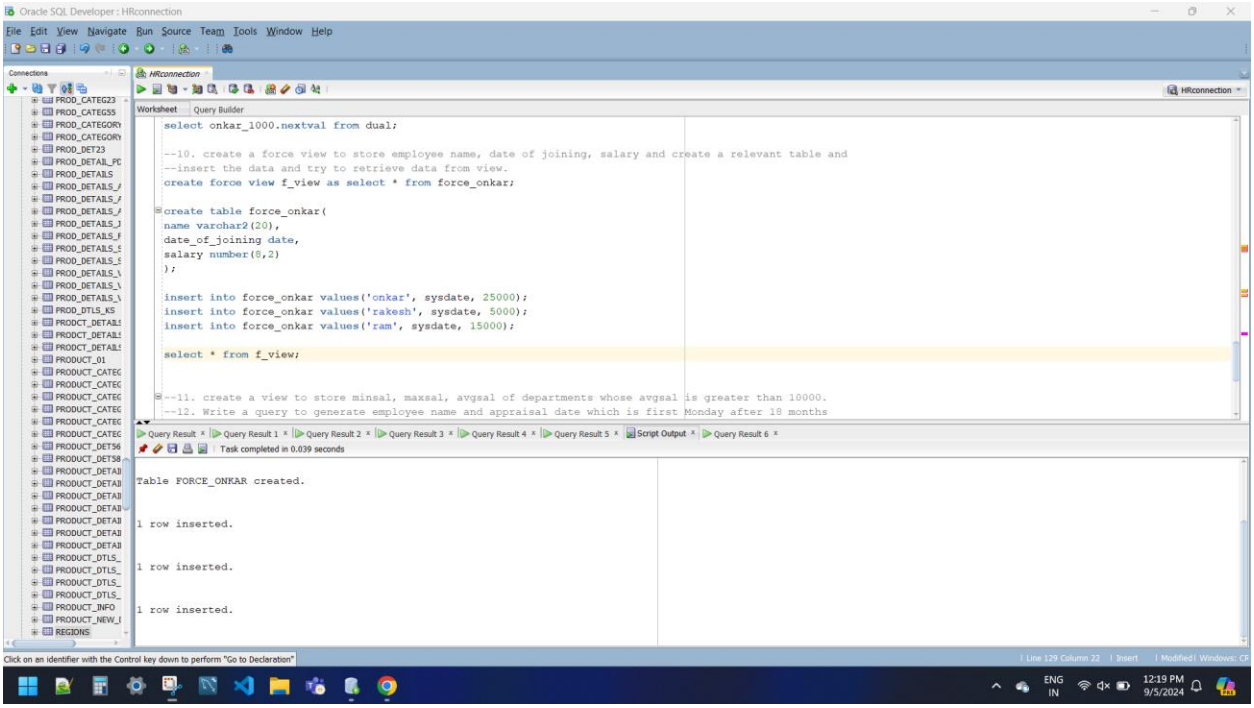
insert into force_onkar values('rakesh', sysdate, 5000);

insert into force_onkar values('ram', sysdate, 15000);

```
select * from f_view;
```


Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
start with 1
minvalue 1
maxvalue 1000
cycle
cache 10;
select onkar_1000.nextval from dual;
--10. create a force view to store employee name, date of joining, salary and create a relevant table and
--insert the data and try to retrieve data from view.
create force view f_view as select * from force_onkar;
create table force_onkar(
name varchar2(20),
date_of_joining date,
salary number(8,2)
);
--11. create a view to store minsal, maxsal, avgsal of departments whose avgsal is greater than 10000.
--12. Write a query to generate employee name and appraisal date which is first Monday after 18 months
--of their joining date.
Task completed in 0.053 seconds
Sequence ONKAR_1000 created.
View F_VIEW created.
Click on an identifier with the Control key down to perform "Go to Declaration"
ENG IN
12:16 PM 9/5/2024


Oracle SQL Developer : HRconnection
File Edit View Navigate Run Source Team Tools Window Help
select onkar_1000.nextval from dual;
--10. create a force view to store employee name, date of joining, salary and create a relevant table and
--insert the data and try to retrieve data from view.
create force view f_view as select * from force_onkar;
create table force_onkar(
name varchar2(20),
date_of_joining date,
salary number(8,2)
);
insert into force_onkar values('onkar', sysdate, 25000);
insert into force_onkar values('rakesh', sysdate, 5000);
insert into force_onkar values('ram', sysdate, 15000);
select * from f_view;
--11. create a view to store minsal, maxsal, avgsal of departments whose avgsal is greater than 10000.
--12. Write a query to generate employee name and appraisal date which is first Monday after 18 months
All Rows Fetched: 3 in 0.022 seconds
NAME DATE_OF_JOINING SALARY
1 onkar 05-SEP-24 25000
2 rakesh 05-SEP-24 5000
3 ram 05-SEP-24 15000
Click on an identifier with the Control key down to perform "Go to Declaration"
ENG IN
12:18 PM 9/5/2024



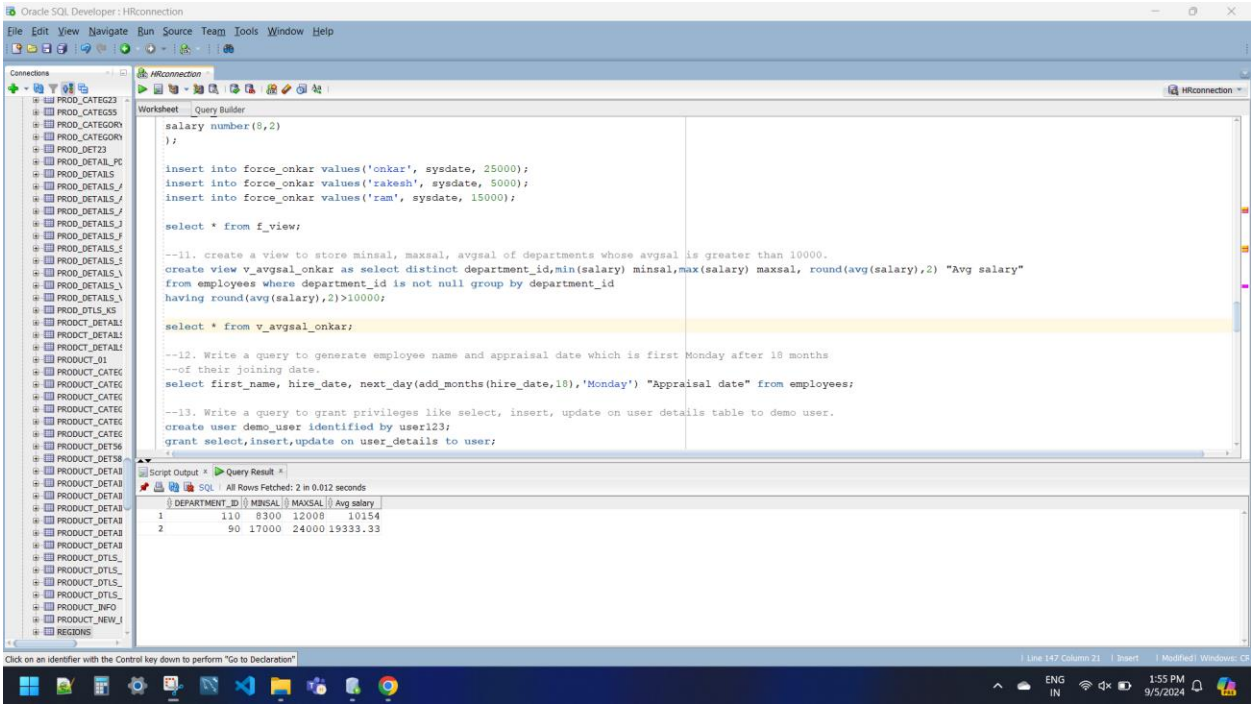
--11. create a view to store minsal, maxsal, avgsal of departments whose avgsal is greater than 10000.

create view v_avgsal_onkar as select distinct department_id,min(salary) minsal,max(salary) maxsal, round(avg(salary),2) "Avg salary"

from employees where department_id is not null group by department_id

having round(avg(salary),2)>10000;

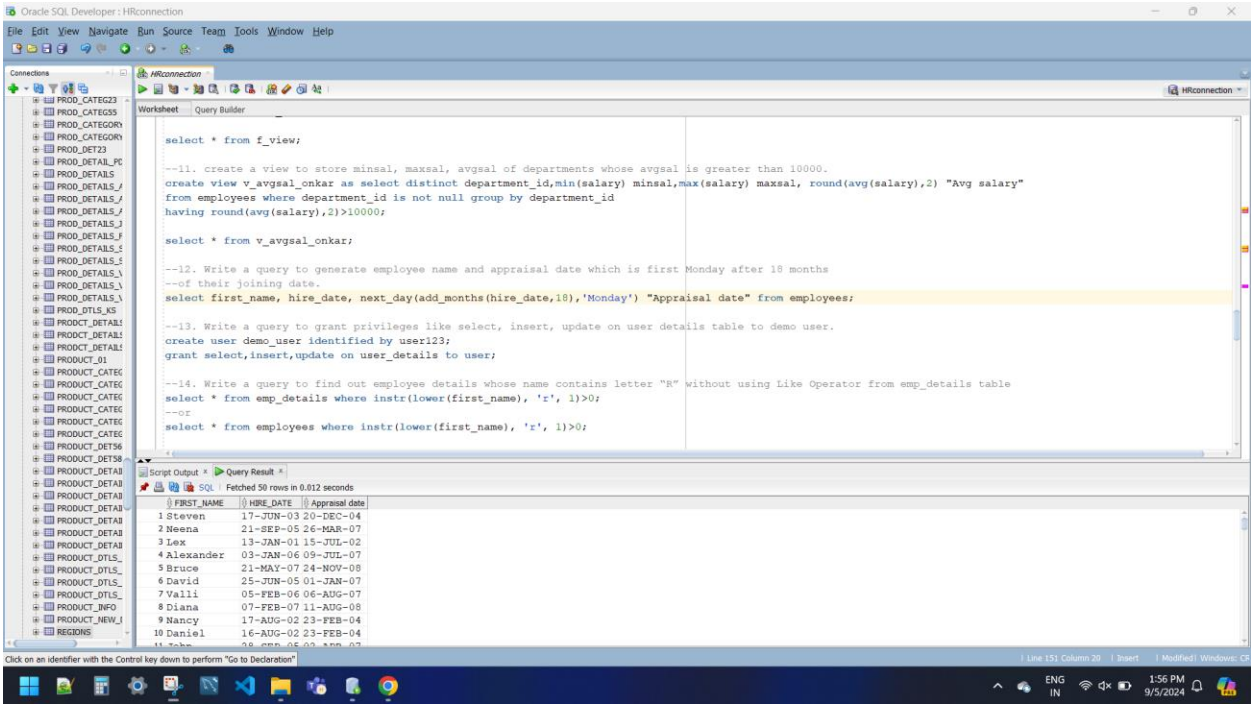
select * from v_avgsal_onkar;



--12. Write a query to generate employee name and appraisal date which is first Monday after 18 months

--of their joining date.

select first_name, hire_date, next_day(add_months(hire_date,18),'Monday') "Appraisal date" from employees;



--13. Write a query to grant privileges like select, insert, update on user details table to demo user.

create user demo_user identified by user123;

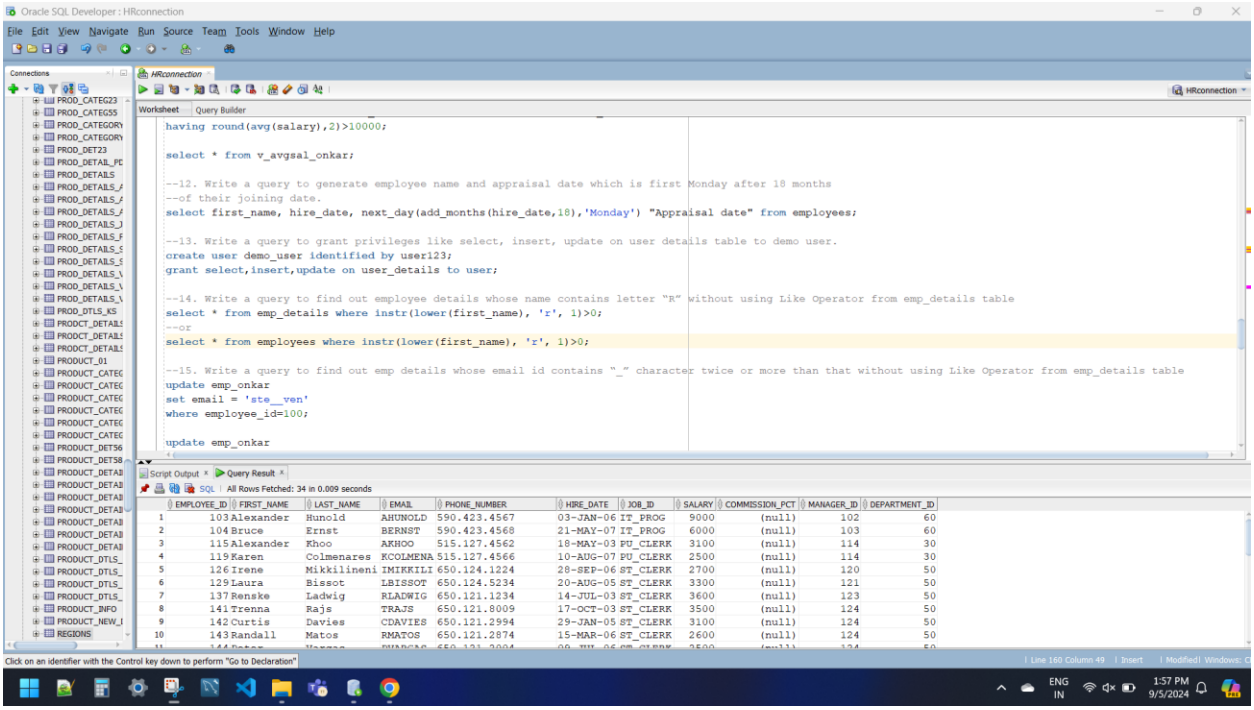
grant select,insert,update on user_details to demo_user;

--14. Write a query to find out employee details whose name contains letter “R” without using Like Operator from emp_details table

select * from emp_details where instr(lower(first_name), 'r', 1)>0;

--or

select * from employees where instr(lower(first_name), 'r', 1)>0;



--15. Write a query to find out emp details whose email id contains “_” character twice or more than that without using Like Operator from emp_details table

update emp_onkar

set email = 'ste__ven'

where employee_id=100;

update emp_onkar

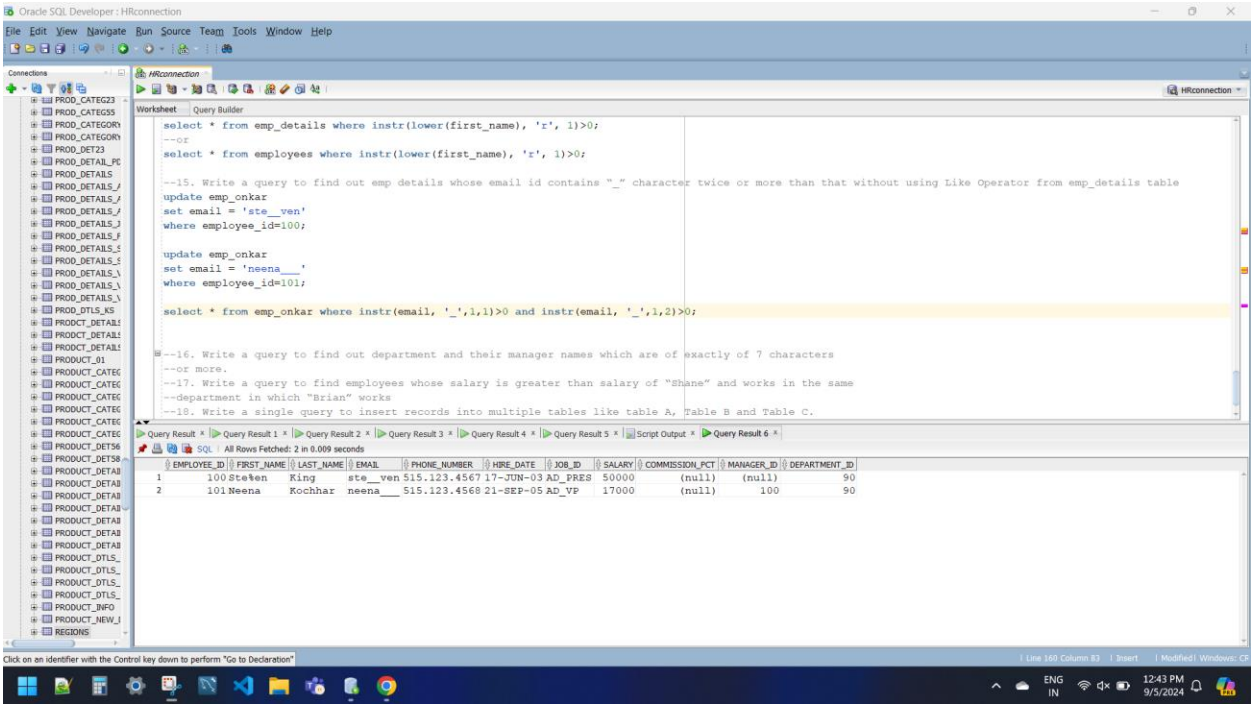
set email = 'neena___'

where employee_id=101;

select * from emp_onkar where instr(email, '_',1,1)>0 and instr(email, '_',1,2)>0;

--or

select * from emp_details where instr(email, '_',1,1)>0 and instr(email, '_',1,2)>0;



--16. Write a query to find out department and their manager names which are exactly of 7 characters or more.

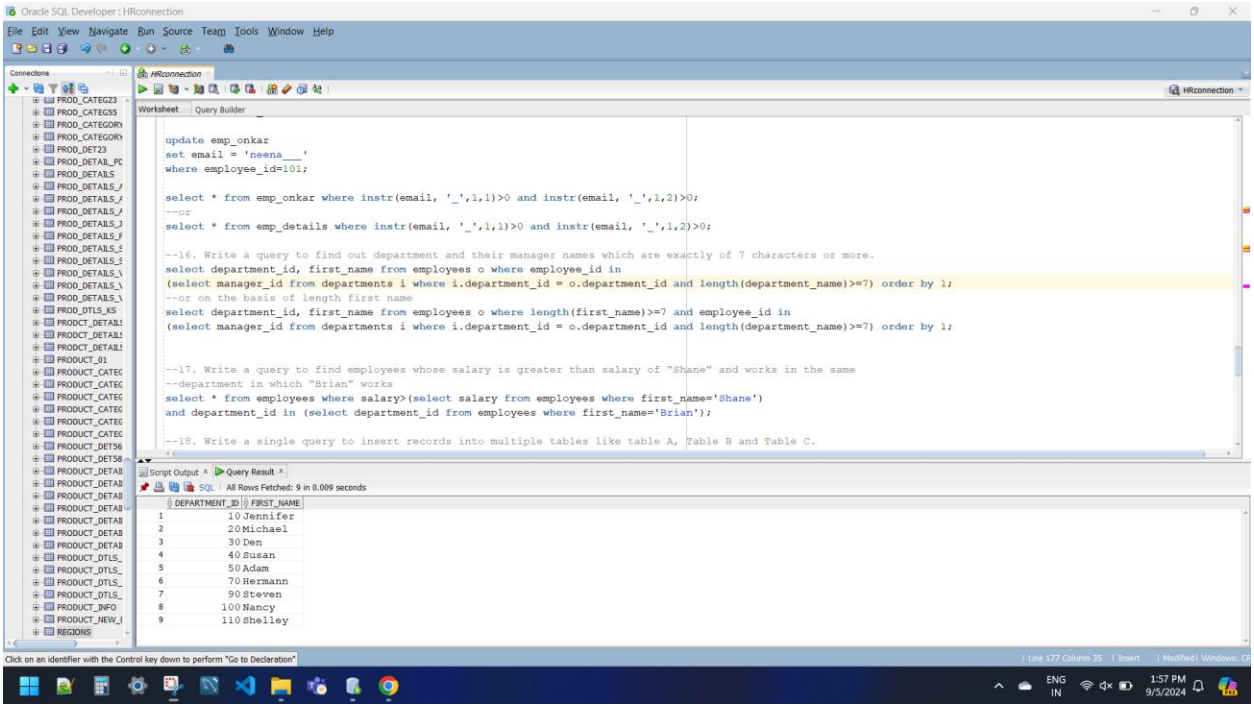
select department_id, first_name from employees o where employee_id in

(select manager_id from departments i where i.department_id = o.department_id and length(department_name)>=7) order by 1;

--or on the basis of length first name

select department_id, first_name from employees o where length(first_name)>=7 and employee_id in

(select manager_id from departments i where i.department_id = o.department_id and length(department_name)>=7) order by 1;

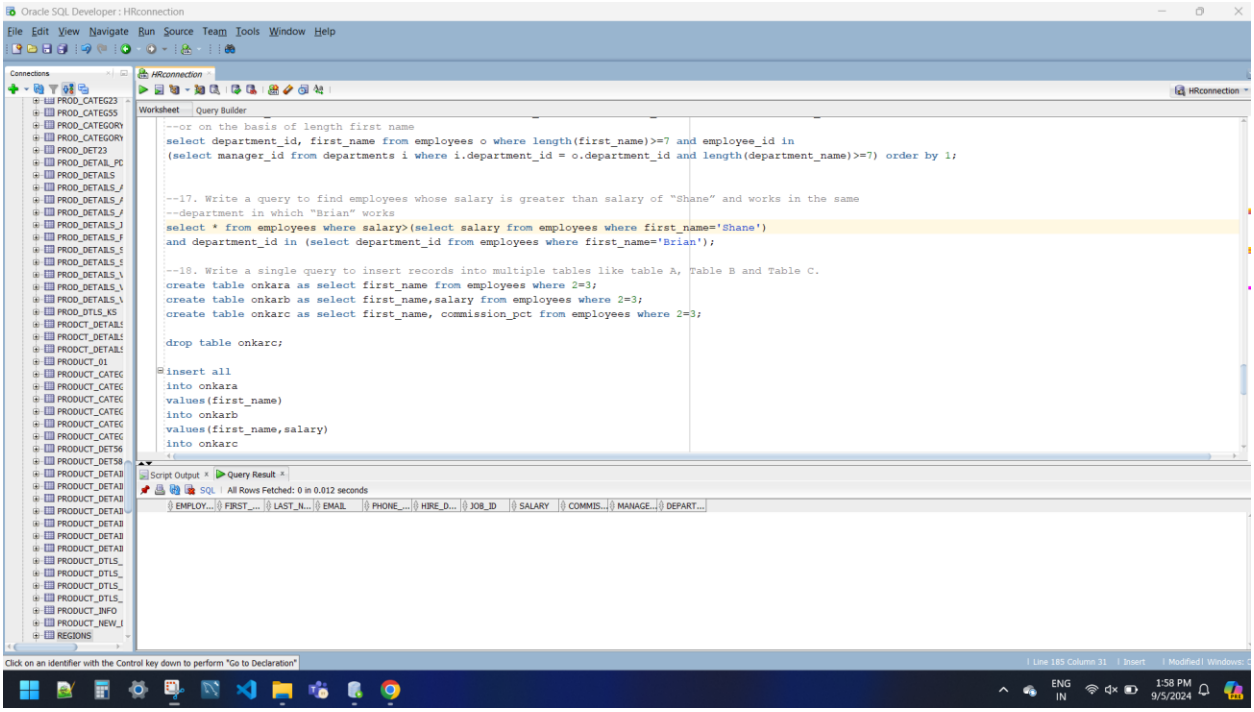


--17. Write a query to find employees whose salary is greater than salary of “Shane” and works in the same

--department in which “Brian” works

select * from employees where salary>(select salary from employees where first_name='Shane')

and department_id in (select department_id from employees where first_name='Brian');



--18. Write a single query to insert records into multiple tables like table A, Table B and Table C.

create table onkara as select first_name from employees where 2=3;

create table onkarb as select first_name,salary from employees where 2=3;

create table onkarc as select first_name, commission_pct from employees where 2=3;

drop table onkarc;

insert all

into onkara

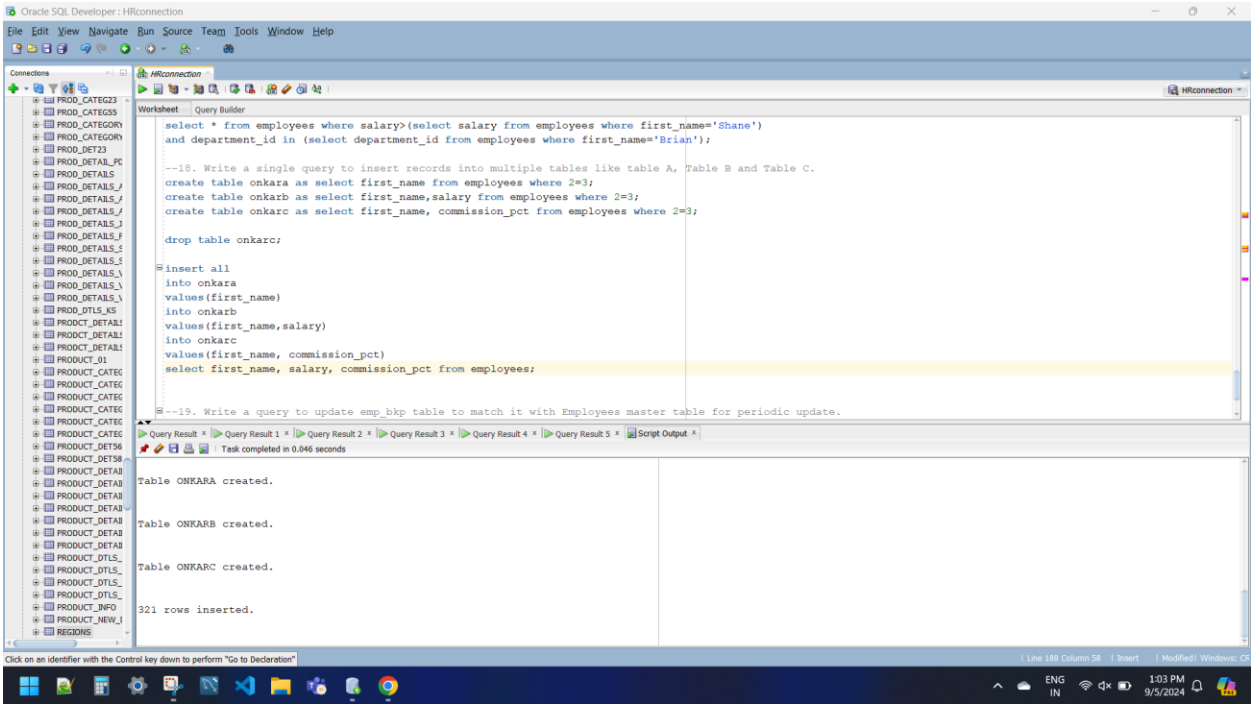
values(first_name)

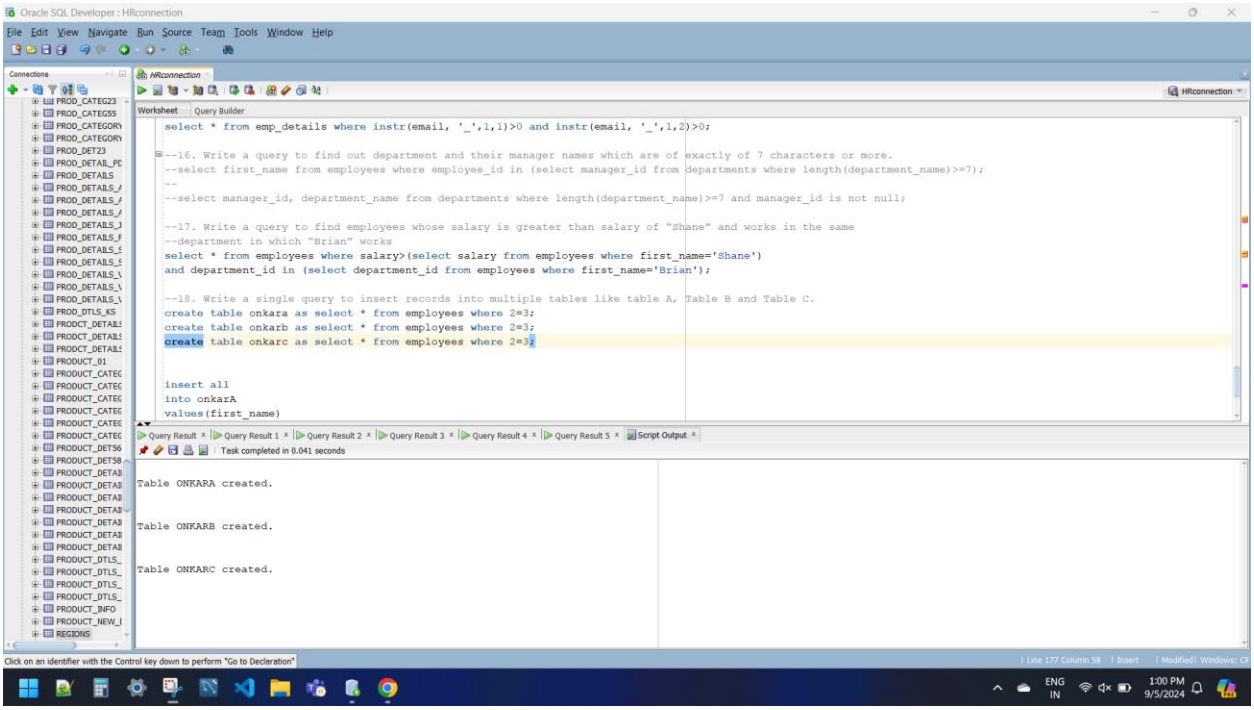
into onkarb

values(first_name,salary)

into onkarc

```
values(first_name, commission_pct)

select first_name, salary, commission_pct from employees;



select * from onkara;

select * from onkarb;

select * from onkarc;
```

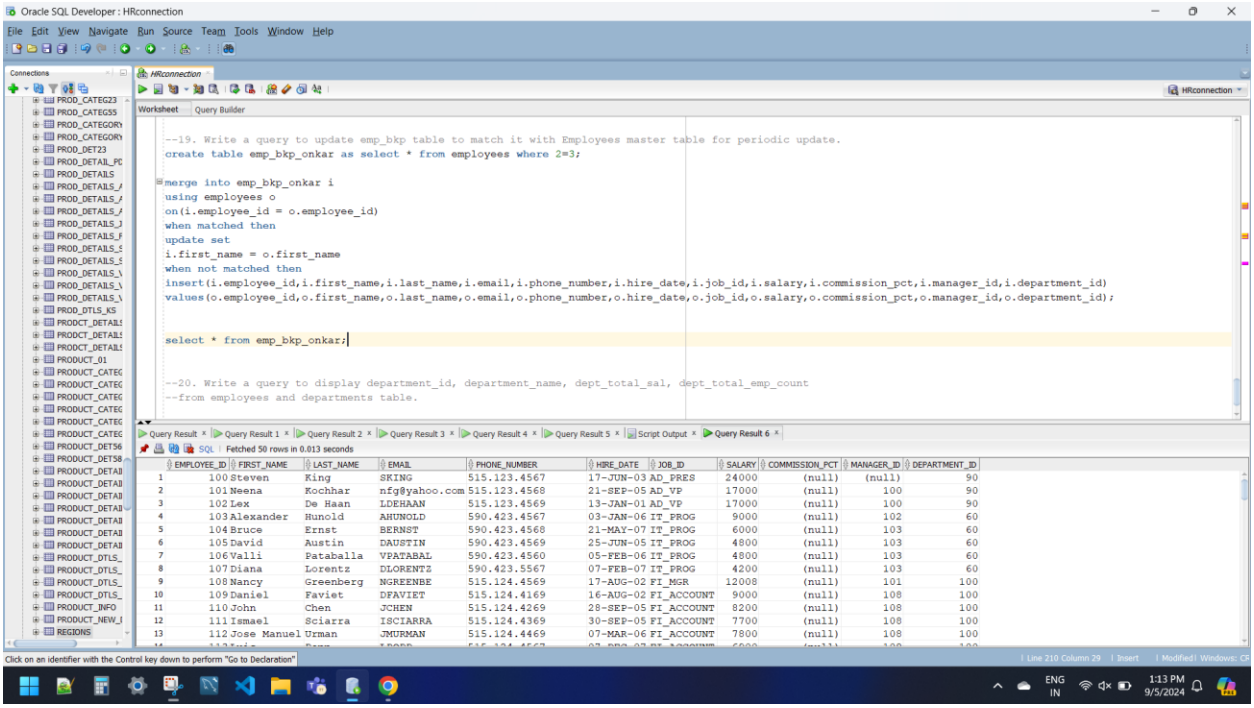


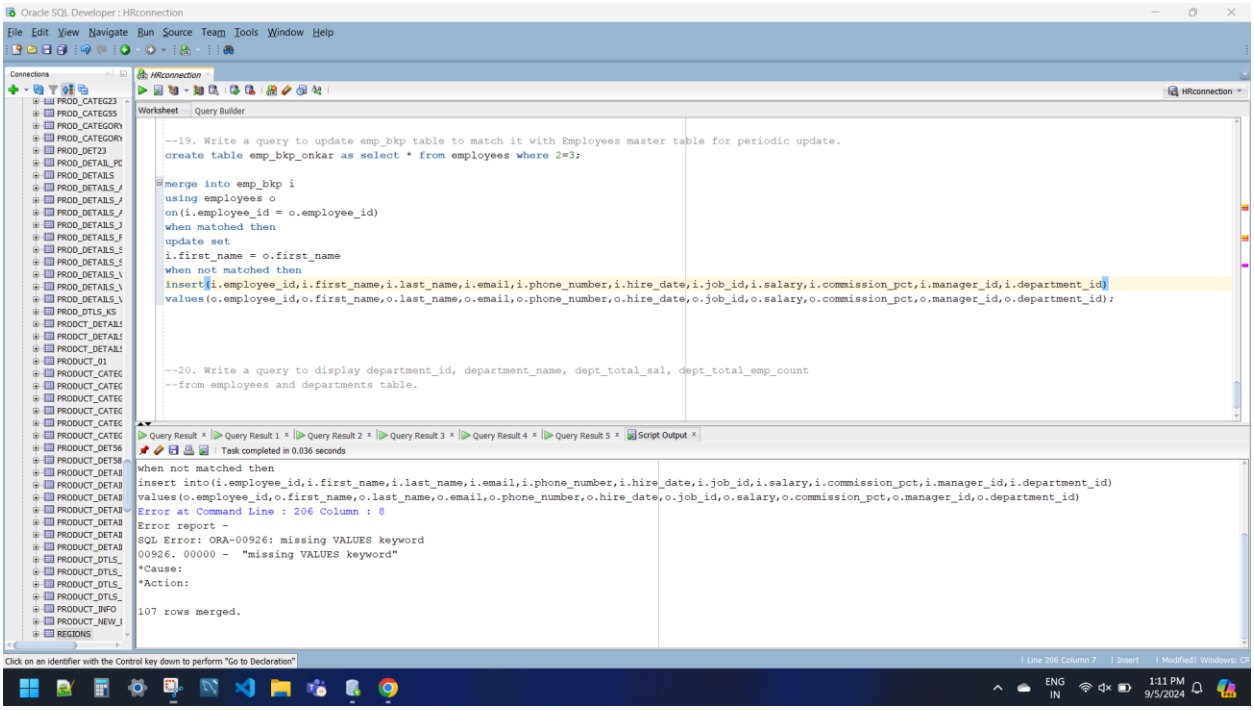


--19. Write a query to update emp_bkp table to match it with Employees master table for periodic update.

create table emp_bkp_onkar as select * from employees where 2=3;

```
merge into emp_bkp_onkar i

using employees o

on(i.employee_id = o.employee_id)

when matched then

update set

i.first_name = o.first_name

when not matched then

insert(i.employee_id,i.first_name,i.last_name,i.email,i.phone_number,i.hire_date,i.job_id,i
.salary,i.commission_pct,i.manager_id,i.department_id)

values(o.employee_id,o.first_name,o.last_name,o.email,o.phone_number,o.hire_date,o.j
ob_id,o.salary,o.commission_pct,o.manager_id,o.department_id);



select * from emp_bkp_onkar;
```





--20. Write a query to display department_id, department_name, dept_total_sal, dept_total_emp_count

--from employees and departments table.

select d.department_id, d.department_name, sum(e.salary) "total sal",count(*) "employee count" from employees e join departments d on d.department_id = e.department_id

group by d.department_id, d.department_name;