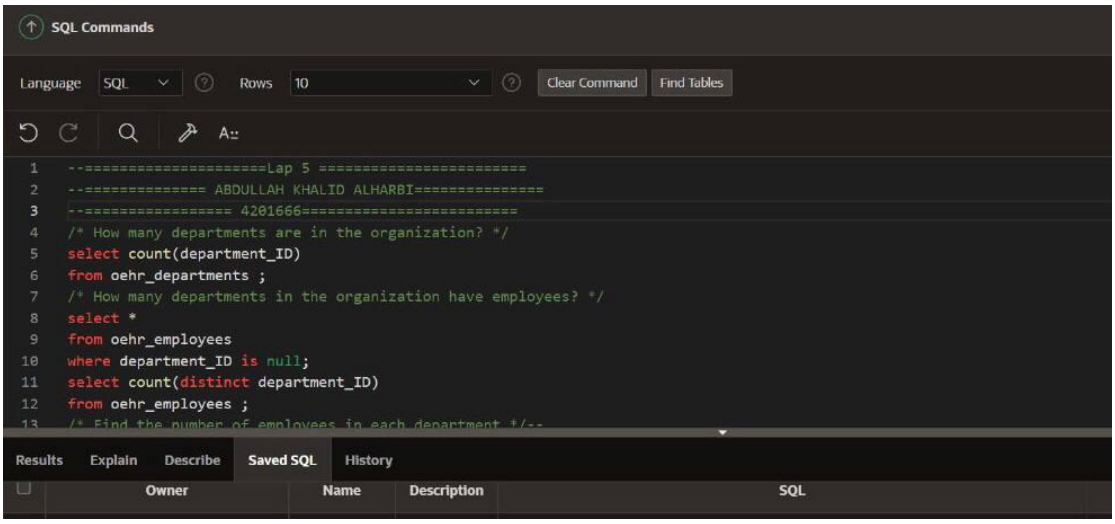
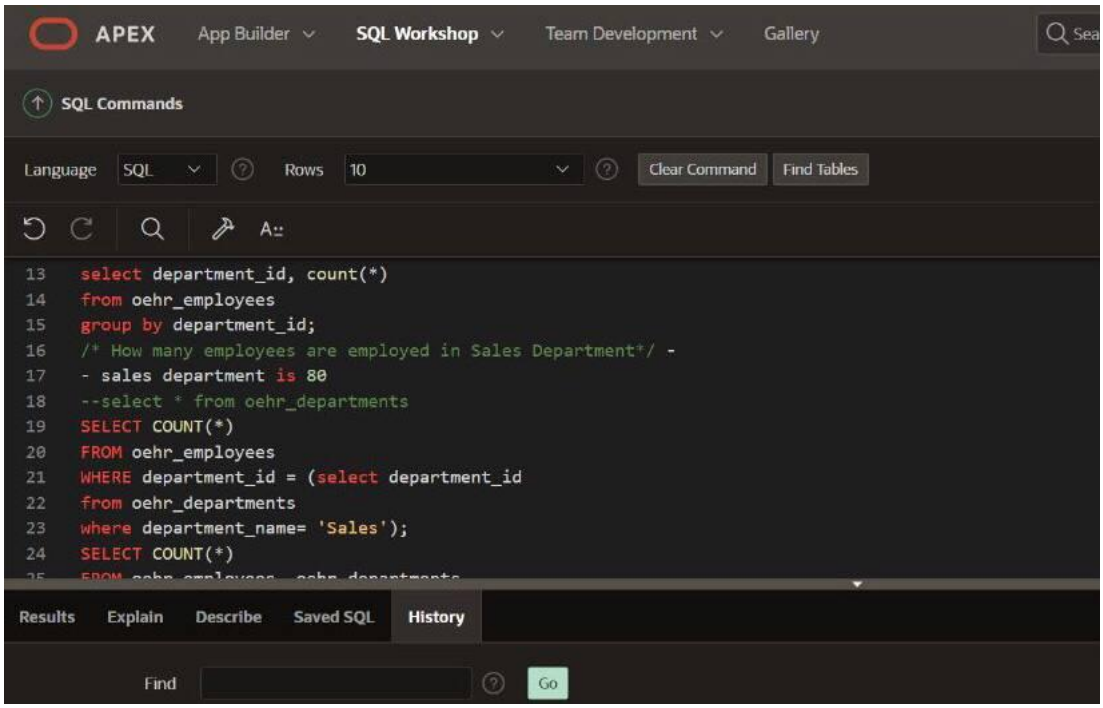
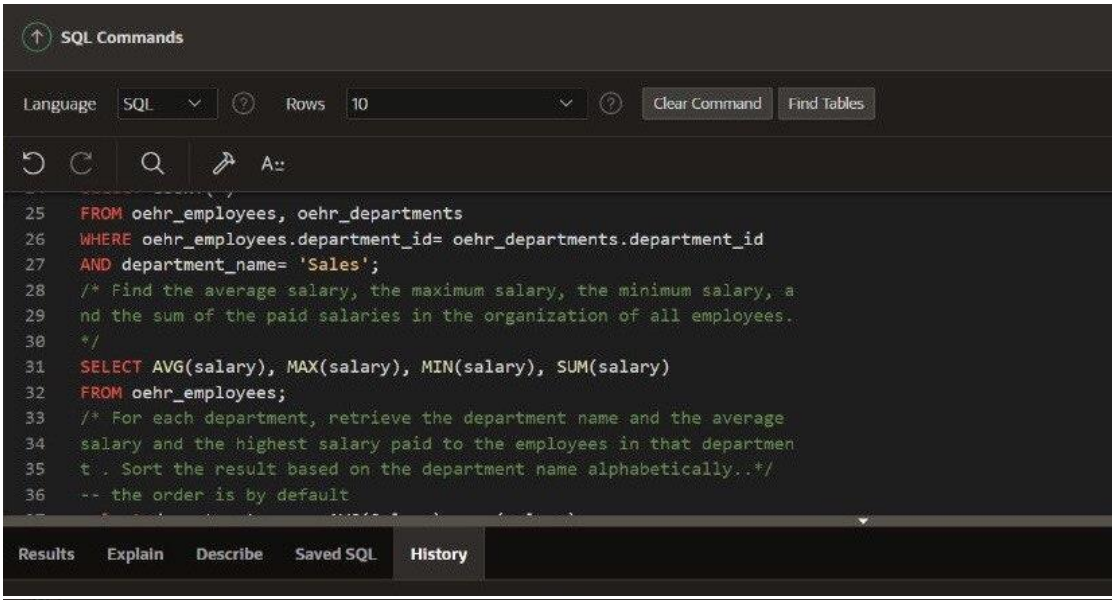
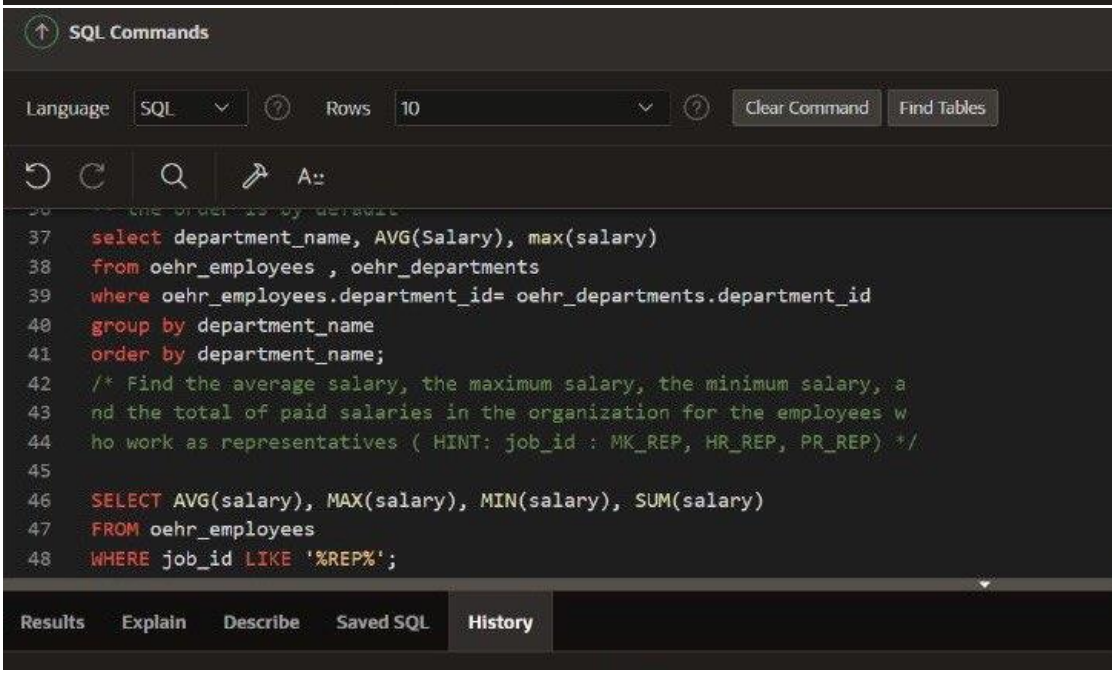
Sname: Abdullah khalid Alahrbi ID:4201666
SECTION:IS7A

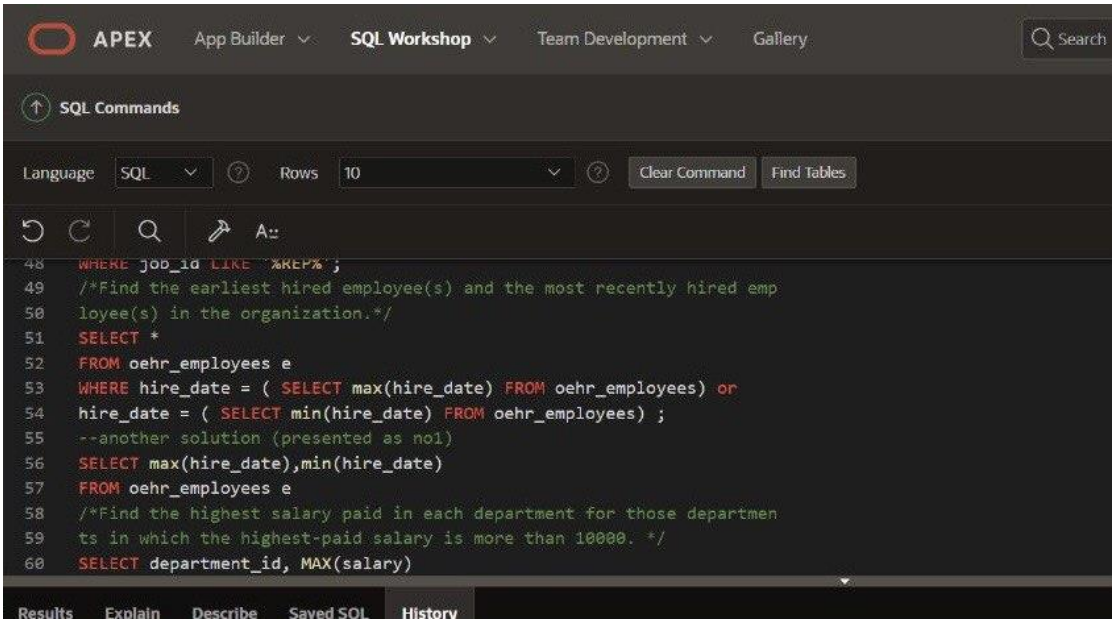
LAB 5:






SQL Commands
Language SQL Rows 10 Clear Command Find Tables
FROM oehr_employees, oehr_departments
WHERE oehr_employees.department_id= oehr_departments.department_id
AND department_name= 'Sales';
/* Find the average salary, the maximum salary, the minimum salary, a
nd the sum of the paid salaries in the organization of all employees.
*/
SELECT AVG(salary), MAX(salary), MIN(salary), SUM(salary)
FROM oehr_employees;
/* For each department, retrieve the department name and the average
salary and the highest salary paid to the employees in that departmen
t . Sort the result based on the department name alphabetically..*/
-- the order is by default
Results Explain Describe Saved SQL History


SQL Commands
Language SQL Rows 10 Clear Command Find Tables
select department_name, AVG(Salary), max(salary)
from oehr_employees , oehr_departments
where oehr_employees.department_id= oehr_departments.department_id
group by department_name
order by department_name;
/* Find the average salary, the maximum salary, the minimum salary, a
nd the total of paid salaries in the organization for the employees w
ho work as representatives (HINT: job_id : MK_REP, HR_REP, PR_REP) */
SELECT AVG(salary), MAX(salary), MIN(salary), SUM(salary)
FROM oehr_employees
WHERE job_id LIKE '%REP%';
Results Explain Describe Saved SQL History


APEX
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SQL Commands
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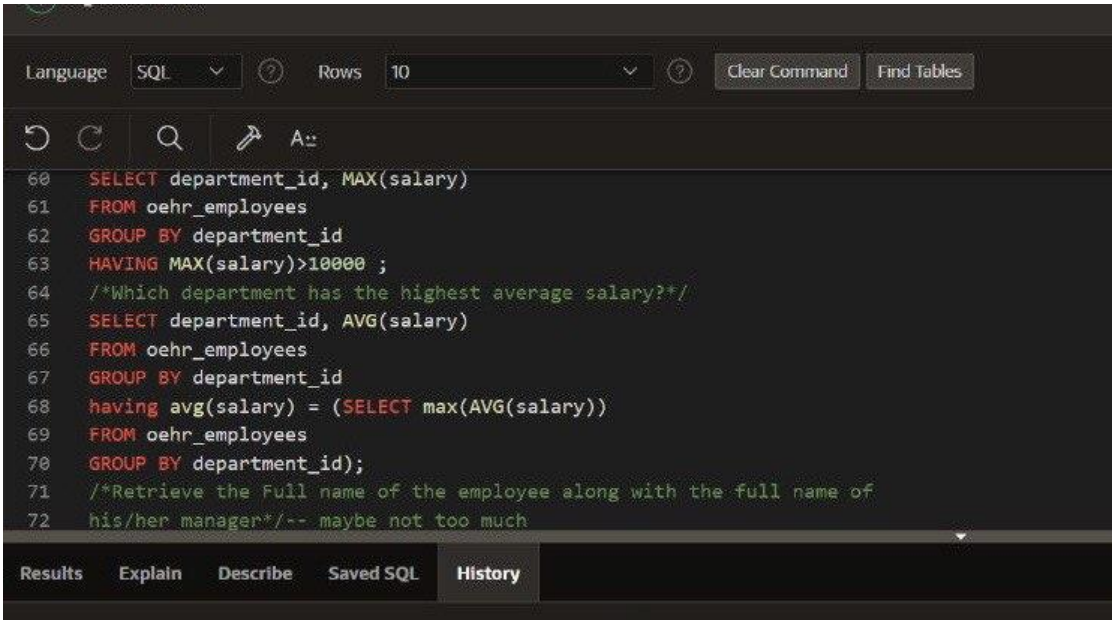
Rows
10
Clear Command
Find Tables
WHERE job_id LIKE '%REP%' ;
/*Find the earliest hired employee(s) and the most recently hired emp
loyee(s) in the organization.*/
SELECT *
FROM oehr_employees e
WHERE hire_date = (SELECT max(hire_date) FROM oehr_employees) or
hire_date = (SELECT min(hire_date) FROM oehr_employees) ;
--another solution (presented as no1)
SELECT max(hire_date),min(hire_date)
FROM oehr_employees e
/*Find the highest salary paid in each department for those departmen
ts in which the highest-paid salary is more than 10000. */
SELECT department_id, MAX(salary)
Results
Explain
Describe
Saved SQL
History


Language
SQL
Rows
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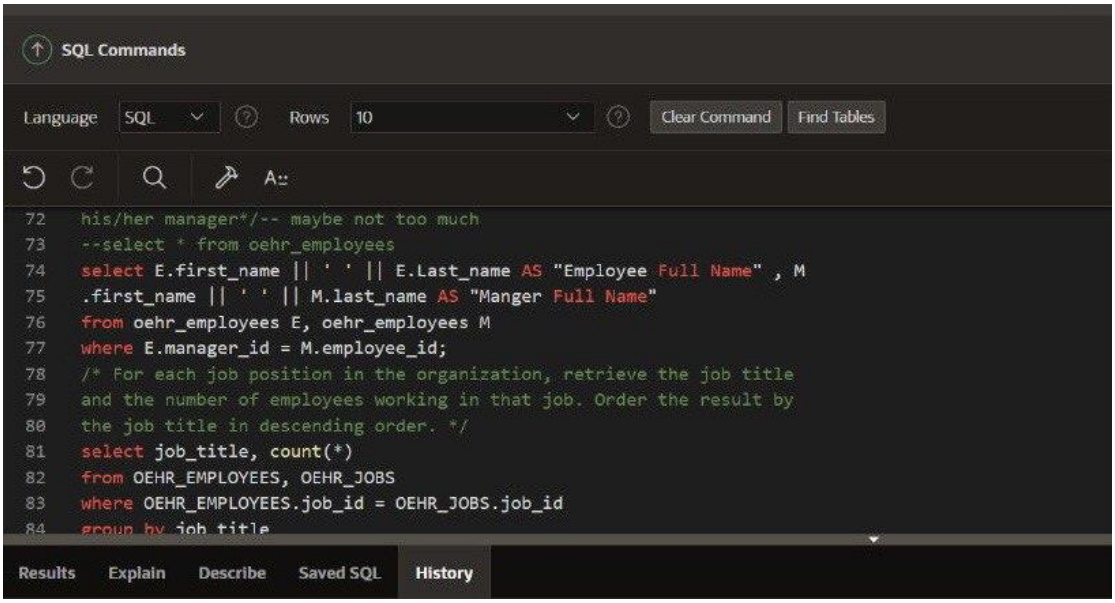
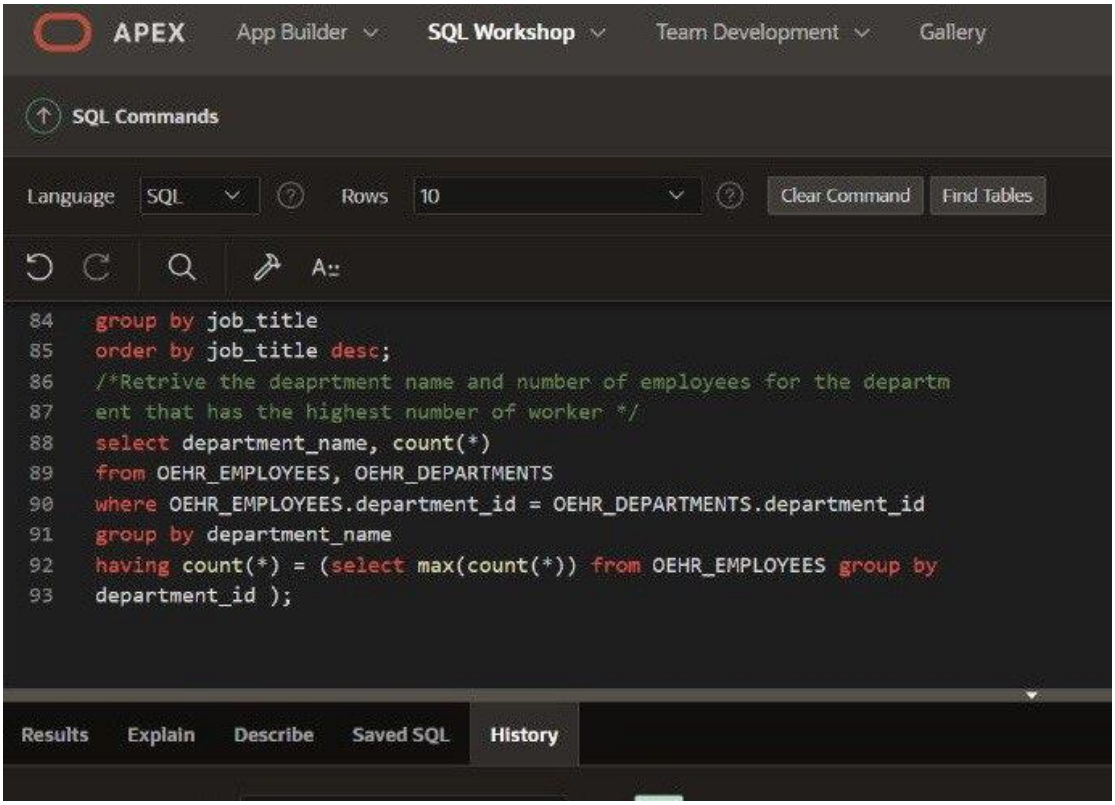
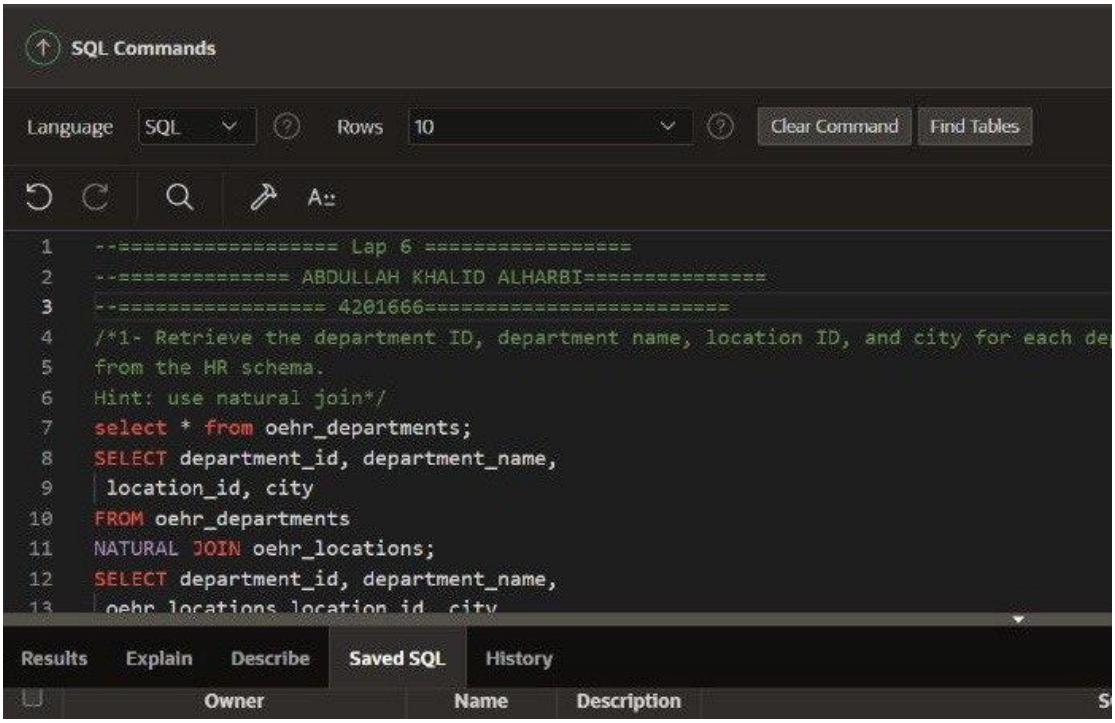
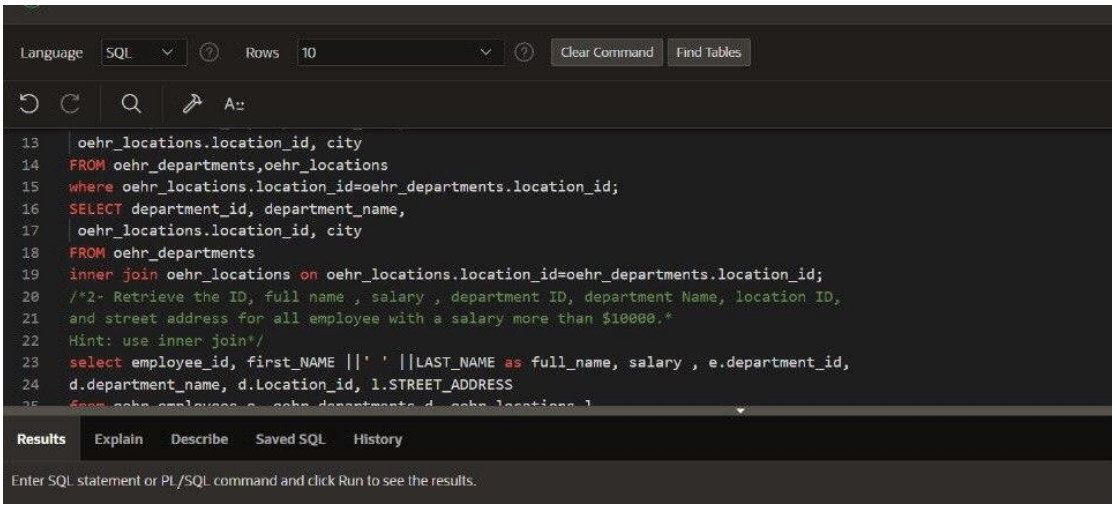
Clear Command
Find Tables
SELECT department_id, MAX(salary)
FROM oehr_employees
GROUP BY department_id
HAVING MAX(salary)>10000 ;
/*Which department has the highest average salary?*/
SELECT department_id, AVG(salary)
FROM oehr_employees
GROUP BY department_id
having avg(salary) = (SELECT max(AVG(salary))
FROM oehr_employees
GROUP BY department_id);
/*Retrieve the Full name of the employee along with the full name of
his/her manager*/-- maybe not too much
Results
Explain
Describe
Saved SQL
History

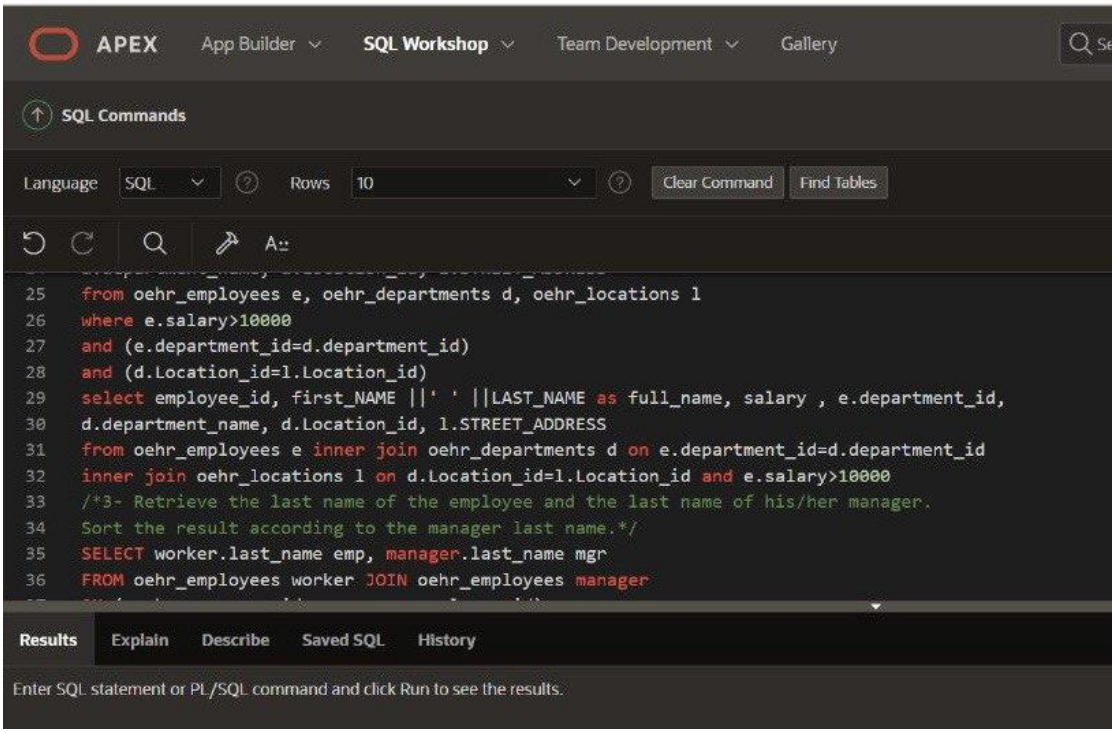

SQL Commands
Language SQL Rows 10 Clear Command Find Tables
his/her manager*/-- maybe not too much
--select * from oehr_employees
select E.first_name || ' ' || E.Last_name AS "Employee Full Name" , M
.first_name || ' ' || M.last_name AS "Manger Full Name"
from oehr_employees E, oehr_employees M
where E.manager_id = M.employee_id;
/* For each job position in the organization, retrieve the job title
and the number of employees working in that job. Order the result by
the job title in descending order. */
select job_title, count(*)
from OEHR_EMPLOYEES, OEHR_JOBS
where OEHR_EMPLOYEES.job_id = OEHR_JOBS.job_id
group by job_title
Results Explain Describe Saved SQL History


APEX App Builder SQL Workshop Team Development Gallery
SQL Commands
Language SQL Rows 10 Clear Command Find Tables
group by job_title
order by job_title desc;
/*Retrive the deaprtment name and number of employees for the departm
ent that has the highest number of worker */
select department_name, count(*)
from OEHR_EMPLOYEES, OEHR_DEPARTMENTS
where OEHR_EMPLOYEES.department_id = OEHR_DEPARTMENTS.department_id
group by department_name
having count(*) = (select max(count(*)) from OEHR_EMPLOYEES group by
department_id);
Results Explain Describe Saved SQL History

LAB 6:


SQL Commands
Language SQL Rows 10 Clear Command Find Tables
1 --================== Lap 6 ================
2 --============== ABDULLAH KHALID ALHARBI===============
3 --================ 4201666=========================
4 /*1- Retrieve the department ID, department name, location ID, and city for each de
5 from the HR schema.
6 Hint: use natural join*/
7 select * from oehr_departments;
8 SELECT department_id, department_name,
9 location_id, city
10 FROM oehr_departments
11 NATURAL JOIN oehr_locations;
12 SELECT department_id, department_name,
13 oehr_locations.location_id, city
Results Explain Describe Saved SQL History
Owner Name Description


Language SQL Rows 10 Clear Command Find Tables
13 oehr_locations.location_id, city
14 FROM oehr_departments,oehr_locations
15 where oehr_locations.location_id=oehr_departments.location_id;
16 SELECT department_id, department_name,
17 oehr_locations.location_id, city
18 FROM oehr_departments
19 inner join oehr_locations on oehr_locations.location_id=oehr_departments.location_id;
20 /*2- Retrieve the ID, full name , salary , department ID, department Name, location ID,
21 and street address for all employee with a salary more than $10000.*
22 Hint: use inner join*/
23 select employee_id, first_NAME ||' ' ||LAST_NAME as full_name, salary , e.department_id,
24 d.department_name, d.Location_id, l.STREET_ADDRESS
Results Explain Describe Saved SQL History
Enter SQL statement or PL/SQL command and click Run to see the results.


APEX
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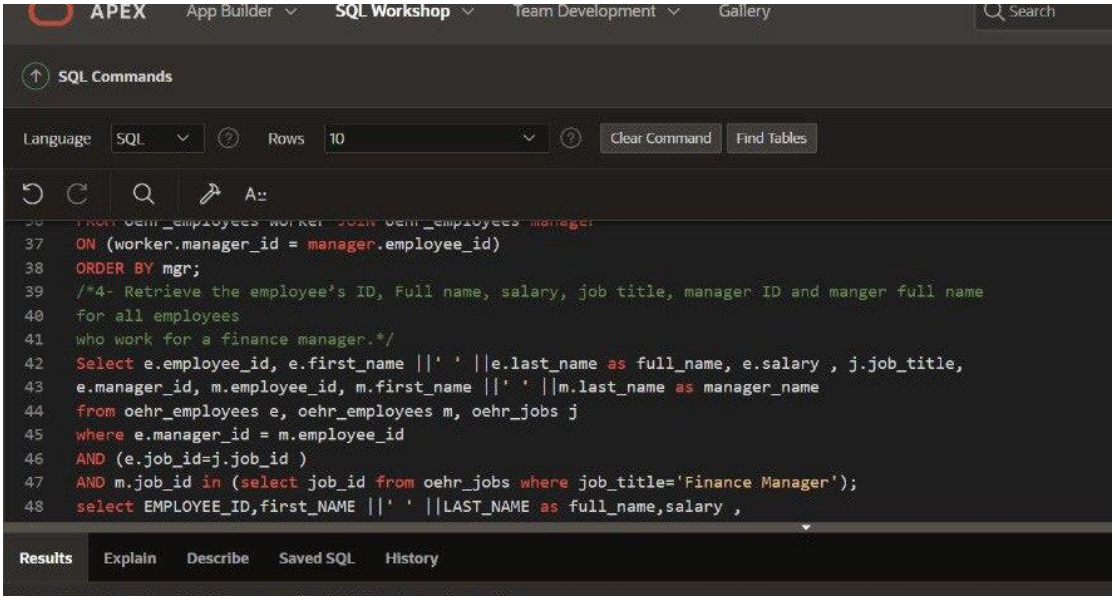
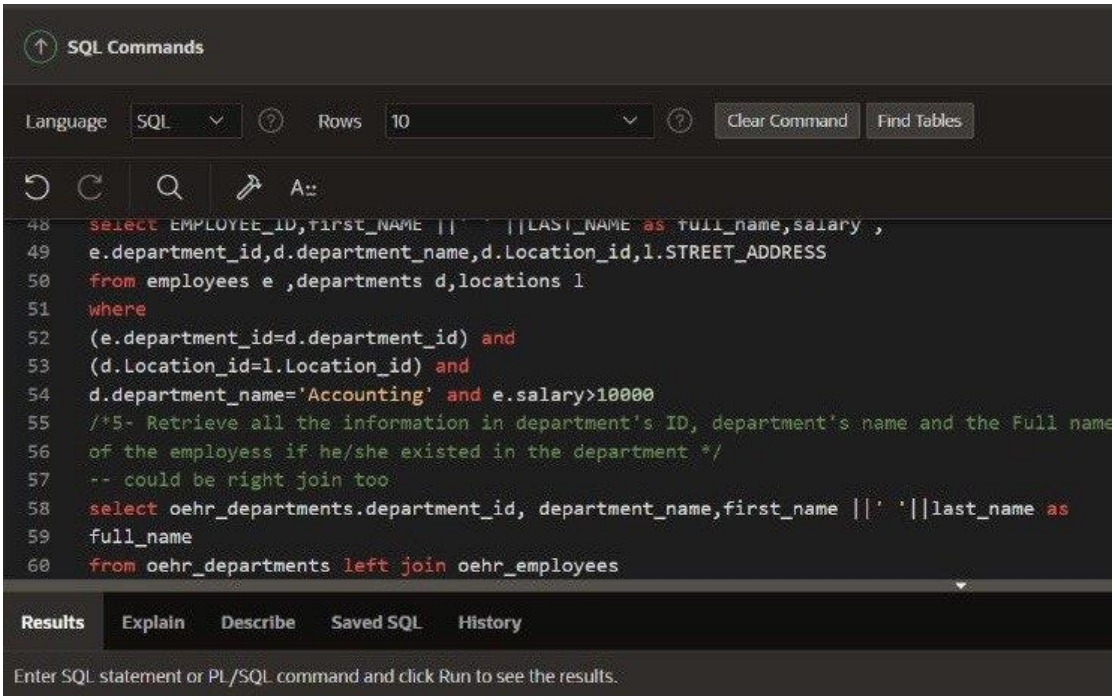
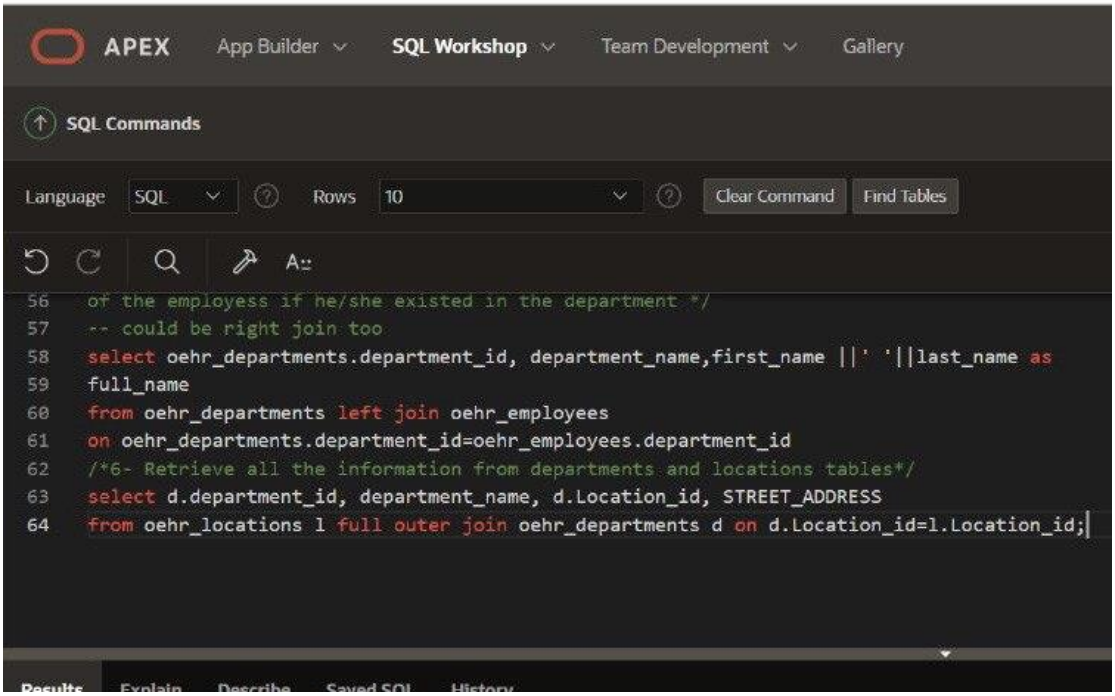
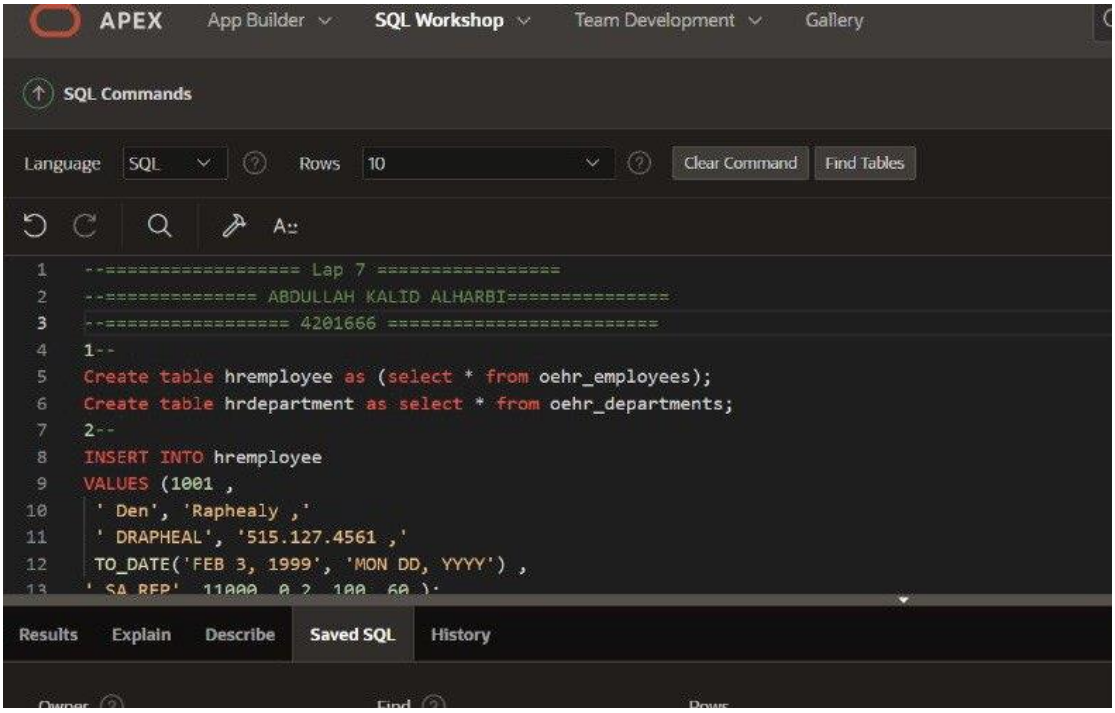
SQL Commands
Language
SQL
Rows
10
Clear Command
Find Tables
from oehr_employees e, oehr_departments d, oehr_locations l
where e.salary>10000
and (e.department_id=d.department_id)
and (d.Location_id=l.Location_id)
select employee_id, first_NAME ||' ' ||LAST_NAME as full_name, salary , e.department_id,
d.department_name, d.Location_id, l.STREET_ADDRESS
from oehr_employees e inner join oehr_departments d on e.department_id=d.department_id
inner join oehr_locations l on d.Location_id=l.Location_id and e.salary>10000
/*3- Retrieve the last name of the employee and the last name of his/her manager.
Sort the result according to the manager last name.*/
SELECT worker.last_name emp, manager.last_name mgr
FROM oehr_employees worker JOIN oehr_employees manager
Results
Explain
Describe
Saved SQL
History
Enter SQL statement or PL/SQL command and click Run to see the results.

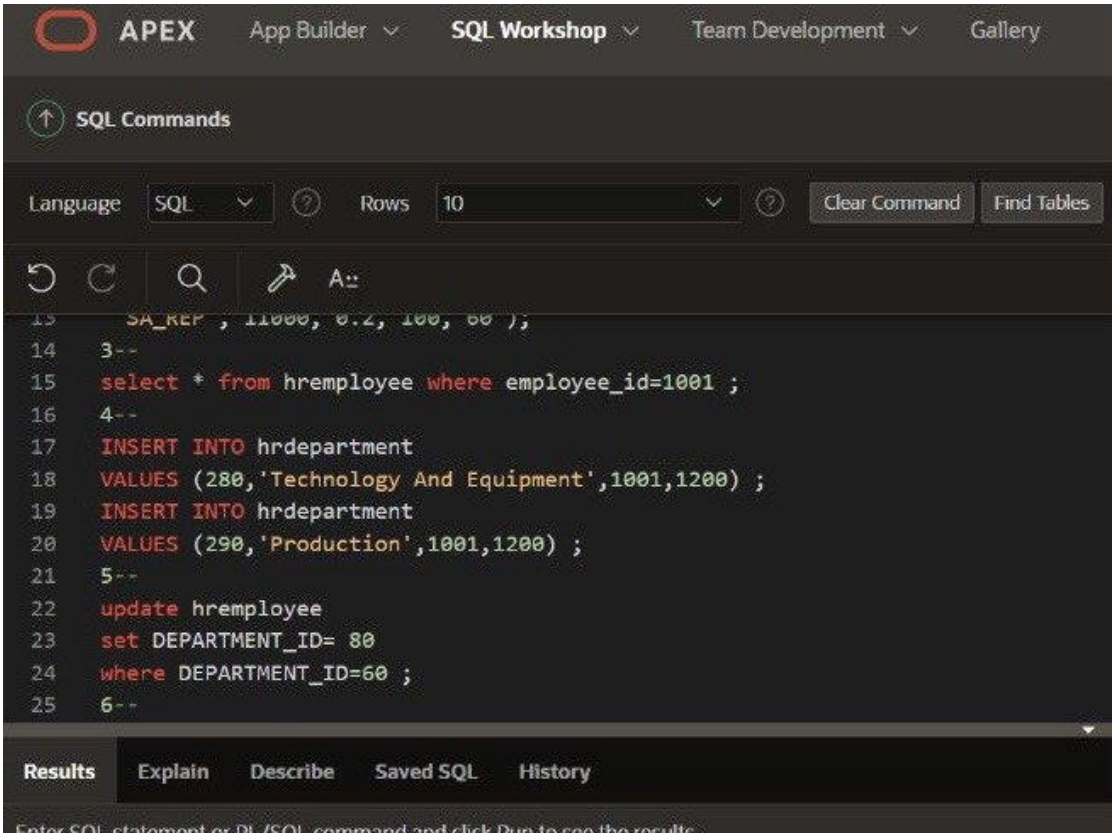

APEX
App Builder
SQL Workshop
Team Development
Gallery
Search
SQL Commands
Language
SQL
Rows
10
Clear Command
Find Tables
ON (worker.manager_id = manager.employee_id)
ORDER BY mgr;
/*4- Retrieve the employee's ID, Full name, salary, job title, manager ID and manger full name
for all employees
who work for a finance manager.*/
Select e.employee_id, e.first_name ||' ' ||e.last_name as full_name, e.salary , j.job_title,
e.manager_id, m.employee_id, m.first_name ||' ' ||m.last_name as manager_name
from oehr_employees e, oehr_employees m, oehr_jobs j
where e.manager_id = m.employee_id
AND (e.job_id=j.job_id)
AND m.job_id in (select job_id from oehr_jobs where job_title='Finance Manager');
select EMPLOYEE_ID,first_NAME ||' ' ||LAST_NAME as full_name,salary ,
Results
Explain
Describe
Saved SQL
History

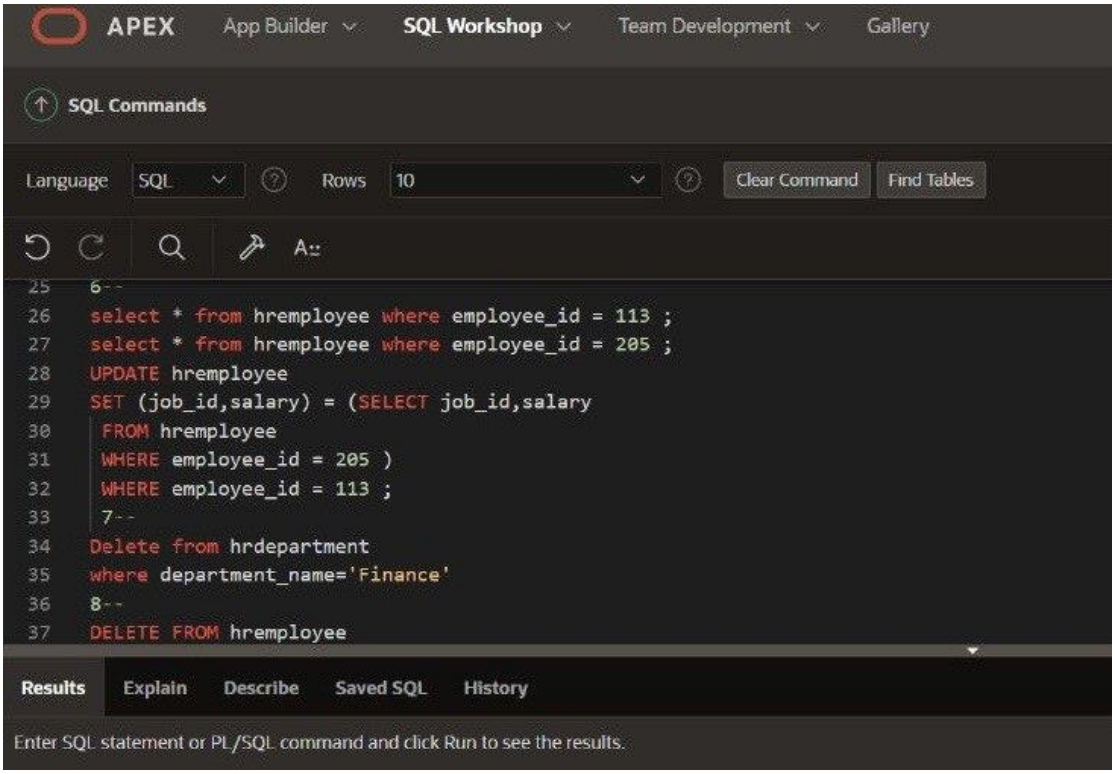

SQL Commands
Language SQL Rows 10 Clear Command Find Tables
select EMPLOYEE_ID,first_NAME ||' ' ||LAST_NAME as full_name,salary ,
e.department_id,d.department_name,d.Location_id,l.STREET_ADDRESS
from employees e ,departments d,locations l
where
(e.department_id=d.department_id) and
(d.Location_id=l.Location_id) and
d.department_name='Accounting' and e.salary>10000
/*5- Retrieve all the information in department's ID, department's name and the Full name
of the employess if he/she existed in the department */
-- could be right join too
select oehr_departments.department_id, department_name,first_name ||' '||last_name as
full_name
from oehr_departments left join oehr_employees
Results Explain Describe Saved SQL History
Enter SQL statement or PL/SQL command and click Run to see the results.


APEX App Builder SQL Workshop Team Development Gallery
SQL Commands
Language SQL Rows 10 Clear Command Find Tables
of the employess if he/she existed in the department */
-- could be right join too
select oehr_departments.department_id, department_name,first_name ||' '||last_name as
full_name
from oehr_departments left join oehr_employees
on oehr_departments.department_id=oehr_employees.department_id
/*6- Retrieve all the information from departments and locations tables*/
select d.department_id, department_name, d.Location_id, STREET_ADDRESS
from oehr_locations l full outer join oehr_departments d on d.Location_id=l.Location_id;

LAB 7:


APEX
App Builder
SQL Workshop
Team Development
Gallery
SQL Commands
Language
SQL
Rows
10
Clear Command
Find Tables
1 --================== Lap 7 =================
2 --============== ABDULLAH KALID ALHARBI===============
3 --================== 4201666 ========================
4 1--
5 Create table hremployee as (select * from oehr_employees);
6 Create table hrdepartment as select * from oehr_departments;
7 2--
8 INSERT INTO hremployee
9 VALUES (1001 ,
10 ' Den', 'Raphealy ,'
11 ' DRAPHEAL', '515.127.4561 ,'
12 TO_DATE('FEB 3, 1999', 'MON DD, YYYY') ,
Results
Explain
Describe
Saved SQL
History


APEX
App Builder
SQL Workshop
Team Development
Gallery
SQL Commands
Language
SQL
Rows
10
Clear Command
Find Tables
SA_REP ', 11000, 0.2, 100, 60);
14 3--
15 select * from hremployee where employee_id=1001 ;
16 4--
17 INSERT INTO hrdepartment
18 VALUES (280,'Technology And Equipment',1001,1200) ;
19 INSERT INTO hrdepartment
20 VALUES (290,'Production',1001,1200) ;
21 5--
22 update hremployee
23 set DEPARTMENT_ID= 80
24 where DEPARTMENT_ID=60 ;
25 6--
Results
Explain
Describe
Saved SQL
History


APEX
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Rows
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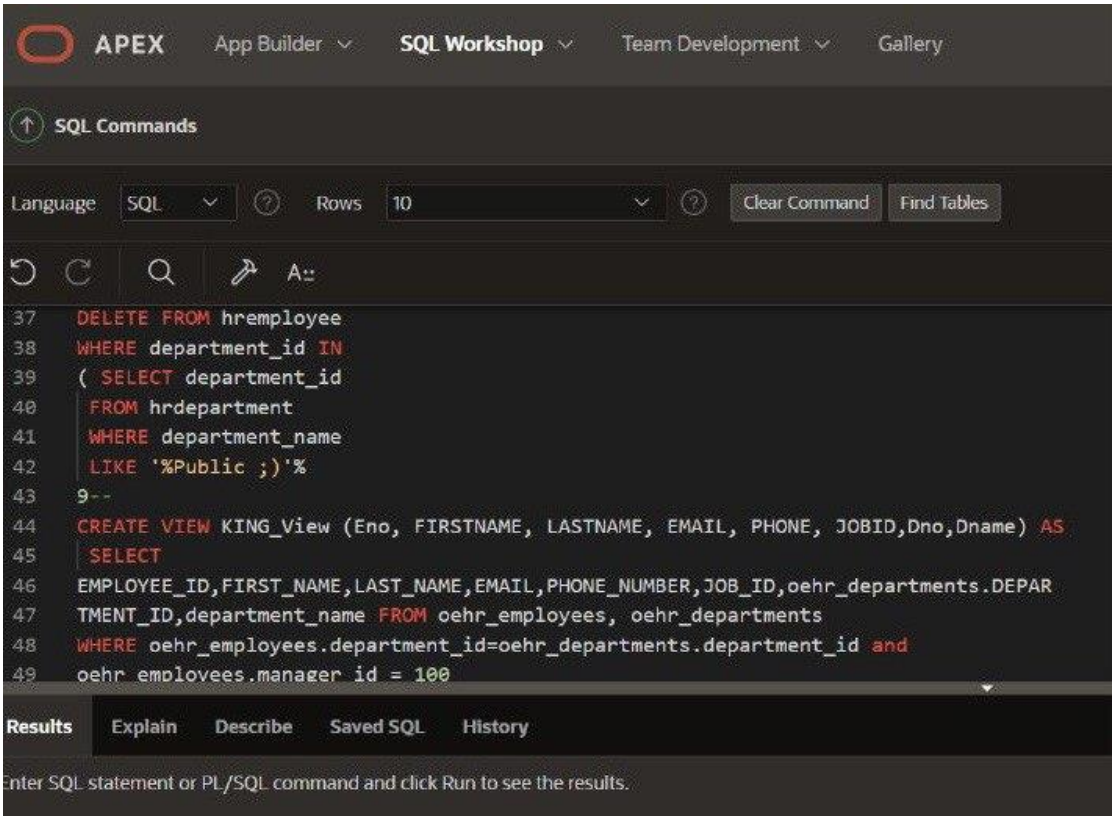
Clear Command
Find Tables
6--
select * from hremployee where employee_id = 113 ;
select * from hremployee where employee_id = 205 ;
UPDATE hremployee
SET (job_id,salary) = (SELECT job_id,salary
FROM hremployee
WHERE employee_id = 205)
WHERE employee_id = 113 ;
7--
Delete from hrdepartment
where department_name='Finance'
8--
DELETE FROM hremployee
Results
Explain
Describe
Saved SQL
History
Enter SQL statement or PL/SQL command and click Run to see the results.


APEX
App Builder
SQL Workshop
Team Development
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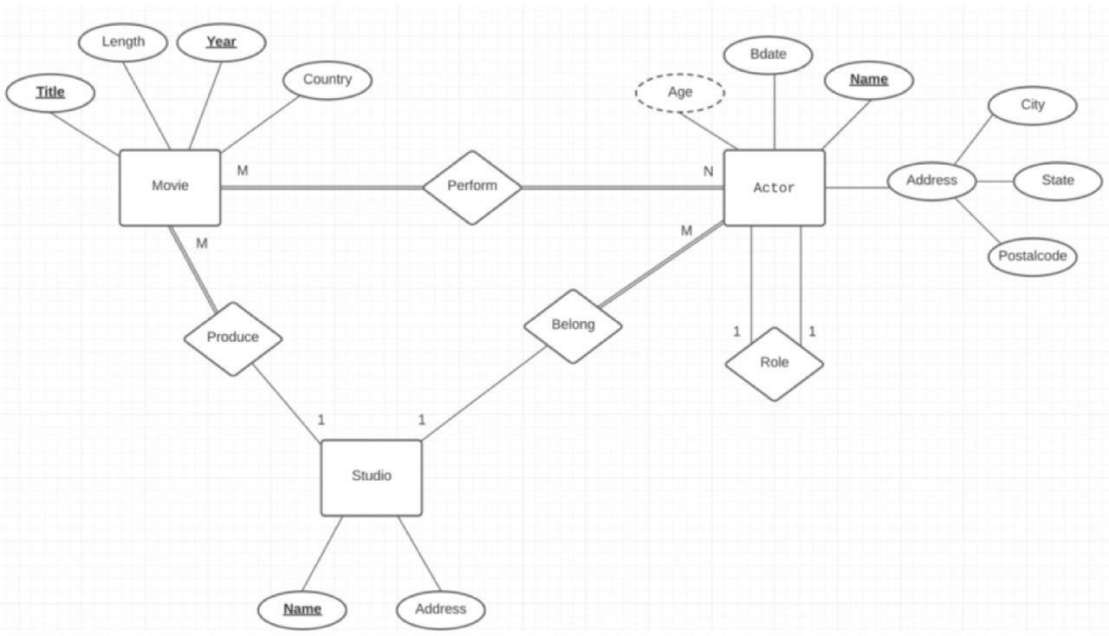
SQL Commands
Language
SQL
Rows
10
Clear Command
Find Tables
DELETE FROM hremployee
WHERE department_id IN
(SELECT department_id
FROM hrdepartment
WHERE department_name
LIKE '%Public ;)'%
9--
CREATE VIEW KING_View (Eno, FIRSTNAME, LASTNAME, EMAIL, PHONE, JOBID,Dno,Dname) AS
SELECT
EMPLOYEE_ID,FIRST_NAME,LAST_NAME,EMAIL,PHONE_NUMBER,JOB_ID,oehr_departments.DEPAR
TMENT_ID,department_name FROM oehr_employees, oehr_departments
WHERE oehr_employees.department_id=oehr_departments.department_id and
oehr_employees.manager_id = 100
Results
Explain
Describe
Saved SQL
History
Enter SQL statement or PL/SQL command and click Run to see the results.

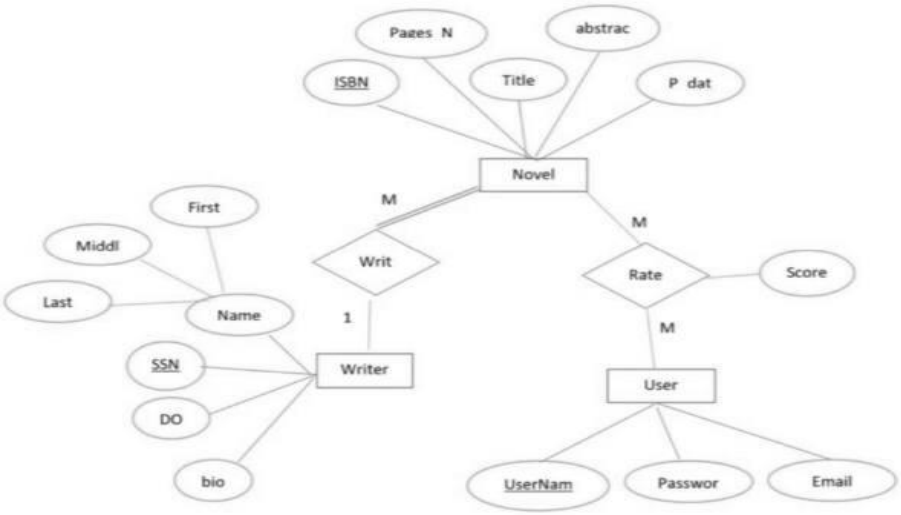
Language SQL Rows 10 Clear Command Find Tables

```
45  SELECT
46  EMPLOYEE_ID,FIRST_NAME,LAST_NAME,EMAIL,PHONE_NUMBER,JOB_ID,oehr_departments.DEPAR
47  TMENT_ID,department_name FROM oehr_employees, oehr_departments
48  WHERE oehr_employees.department_id=oehr_departments.department_id and
49  oehr_employees.manager_id = 100
50  select * from King_view
51  10--Drop the created view
52  drop view KING_View;
```

LAB 8:



LAB 9: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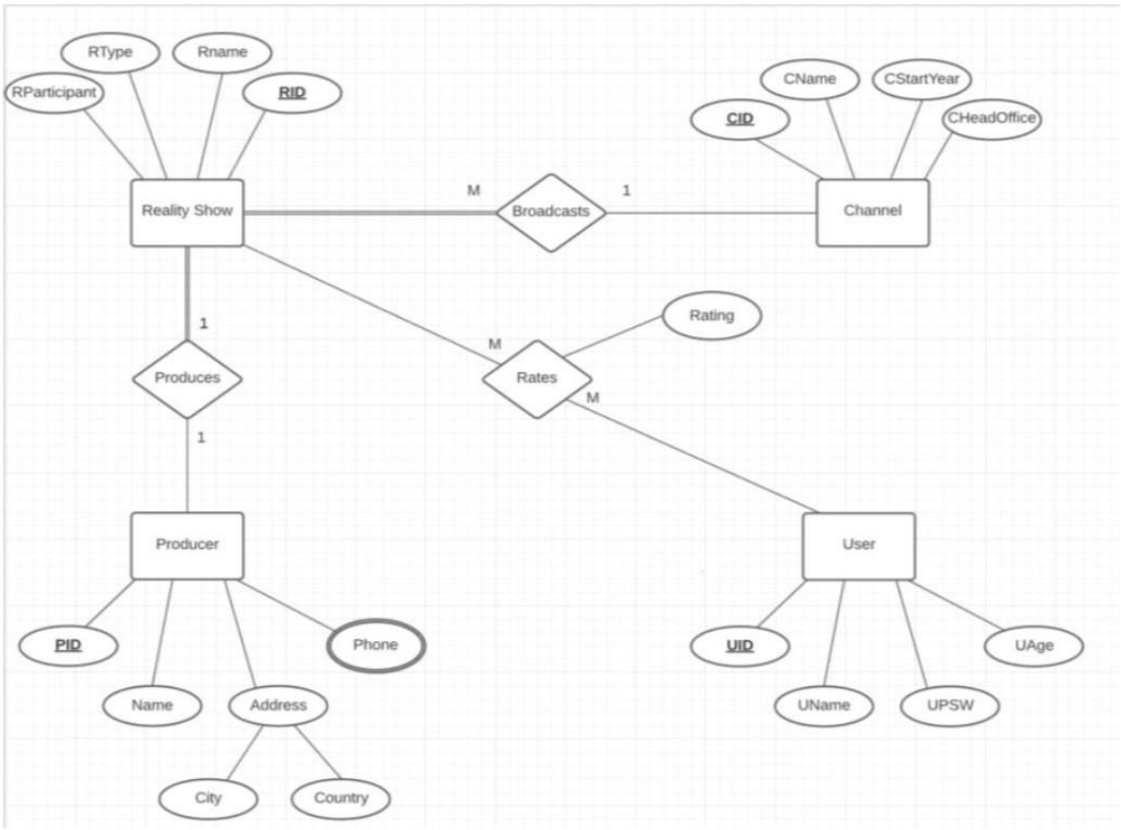
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RParticipant
RID
CName
CStartYear
CID
CHeadOffice
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Channel
1
Rating
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Produces
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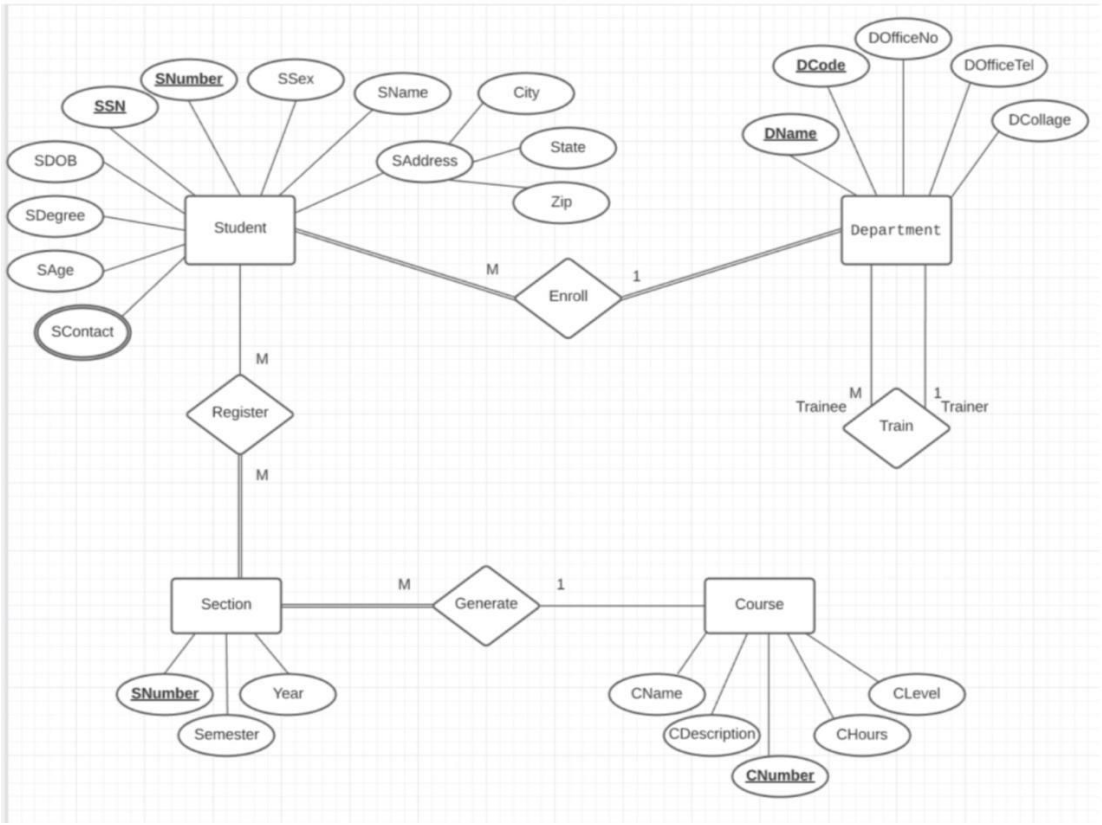
UID
UAge
Name
Address
UName
UPSW
City
Country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Department
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Trainee
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Trainer
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CLevel
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