**ASSIGNMENT – 9**

**ON: SUBQUERIES**

**Q1. Write a query to display the last name and hire date of any employee in the same department as Zlotkey. Exclude Zlotkey.**

|  |  |
| --- | --- |
| **LAST\_NAME** | **HIRE\_DATE** |
| **Abel** | **11-MAY-96** |
| **Taylor** | **24-MAR-98** |

Ans1.

SELECT LAST\_NAME, HIRE\_DATE

FROM EMPLOYEES

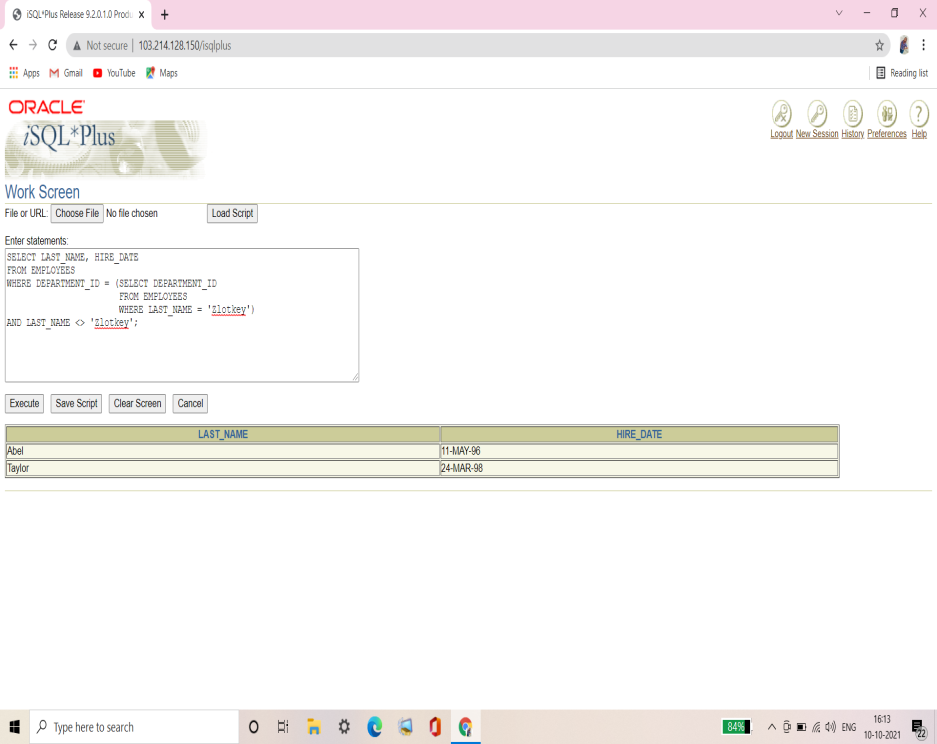
WHERE DEPARTMENT\_ID = (SELECT DEPARTMENT\_ID

FROM EMPLOYEES

WHERE LAST\_NAME = 'Zlotkey')

AND LAST\_NAME <> 'Zlotkey';

**Verification table -**

****

**Q2. Create a query to display the employee numbers and last names of all employees who earn more than the average salary. Sort the results in ascending order of salary.**

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** | **SALARY** |
| **103** | **Hunold** | **9000** |
| **149** | **Zlotkey** | **10500** |
| **174** | **Abel** | **11000** |
| **205** | **Higgins** | **12000** |
| **201** | **Hartstein** | **13000** |
| **101** | **Kochhar** | **17000** |
| **102** | **De Haan** | **17000** |
| **100** | **King** | **24000** |

**8 rows selected.**

Ans2.

SELECT EMPLOYEE\_ID, LAST\_NAME, SALARY

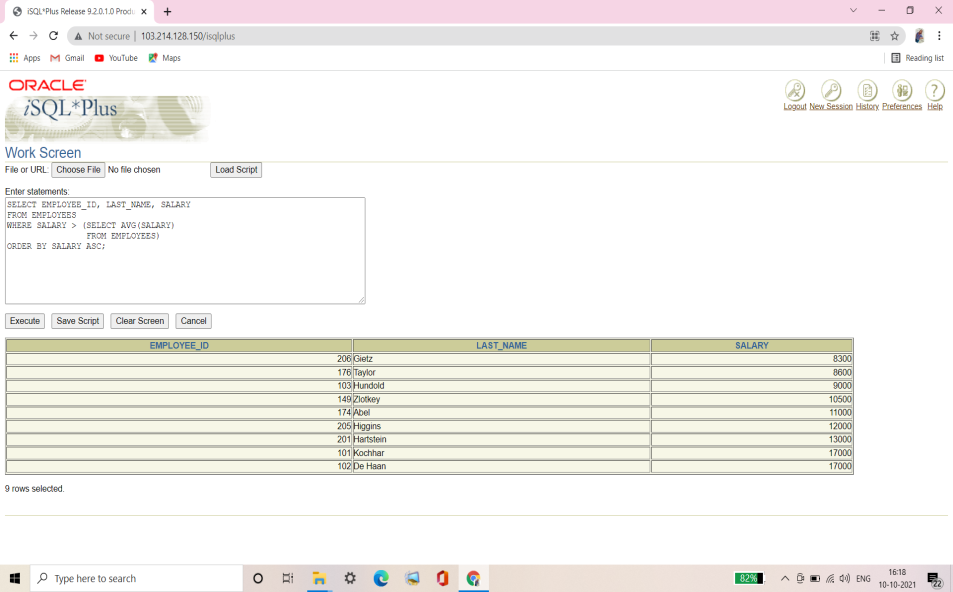
FROM EMPLOYEES

WHERE SALARY > (SELECT AVG(SALARY)

FROM EMPLOYEES)

ORDER BY SALARY ASC;

**Verification table -**



**Q3. Write a query that displays the employee numbers and last names of all employees who work in a department with any employee whose last name contains a u. Place your SQL statement in a text file named lab9\_3.sql. Run your query.**

|  |  |
| --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** |
| **124** | **Mourgos** |
| **141** | **Rajs** |
| **142** | **Davies** |
| **143** | **Matos** |
| **144** | **Vargas** |
| **103** | **Hunold** |
| **104** | **Ernst** |
| **107** | **Lorentz** |

**8 rows selected.**

Ans3.

SELECT EMPLOYEE\_ID, LAST\_NAME

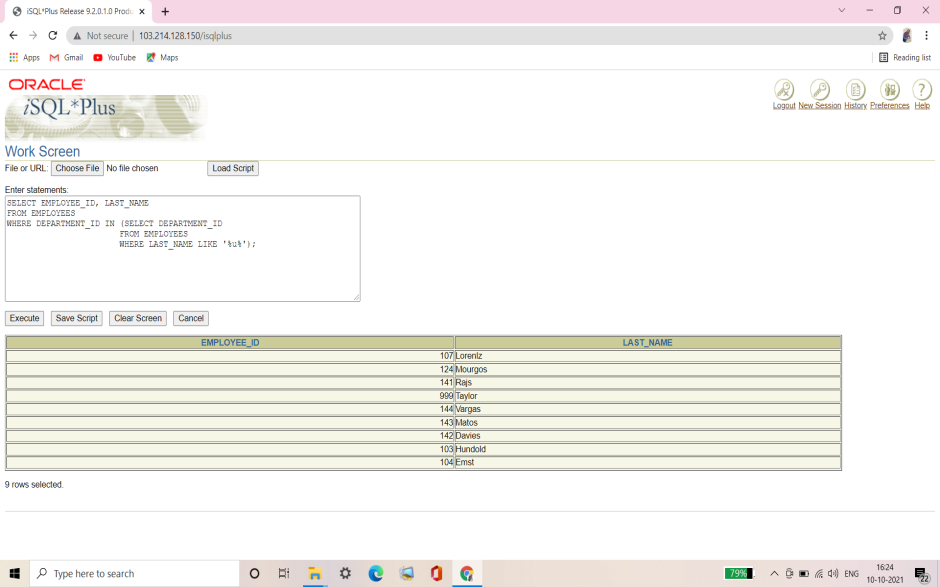
FROM EMPLOYEES

WHERE DEPARTMENT\_ID IN (SELECT DEPARTMENT\_ID

FROM EMPLOYEES

WHERE LAST\_NAME LIKE '%u%');

**Verification table -**



**Q4. Display the last name, department number, job ID of all employees whose department location ID is 1700.**

|  |  |  |
| --- | --- | --- |
| **LAST\_NAME** | **DEPARTMENT\_ID** | **JOB\_ID** |
| **Whalen** | **10** | **AD\_ASST** |
| **King** | **90** | **AD\_PRES** |
| **Kochhar** | **90** | **AD\_VP** |
| **De Haan** | **90** | **AD\_VP** |
| **Higgins** | **110** | **AC\_MGR** |
| **Gietz** | **110** | **AC\_ACCOUNT** |

**6 rows selected.**

Ans4**.**

SELECT LAST\_NAME, DEPARTMENT\_ID, JOB\_ID

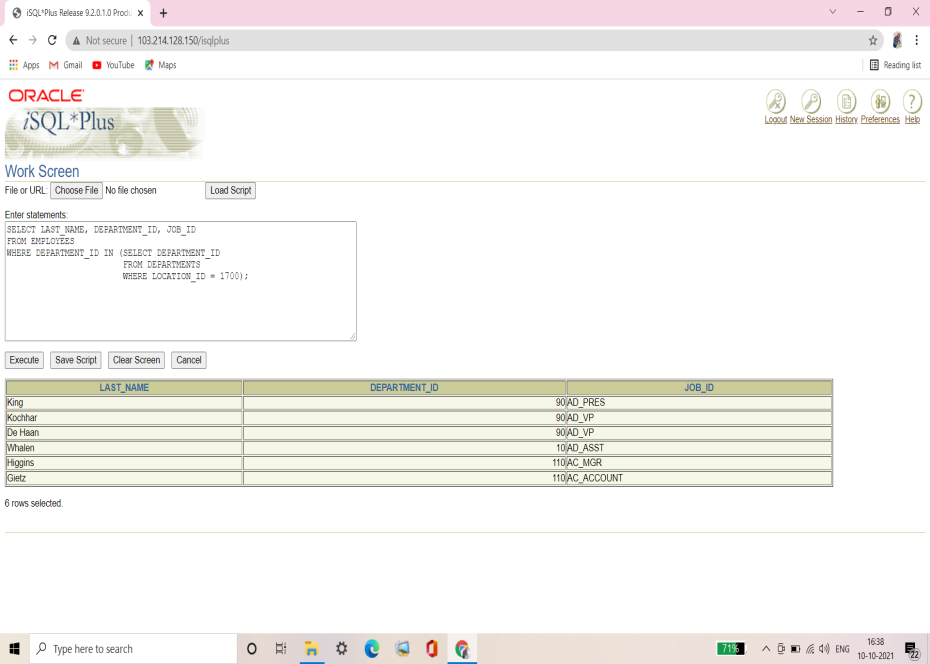
FROM EMPLOYEES

WHERE DEPARTMENT\_ID IN (SELECT DEPARTMENT\_ID

FROM DEPARTMENTS

WHERE LOCATION\_ID = 1700);

**Verification table -**



**Q5. Display the last name and salary of every employee who reports to King.**

|  |  |
| --- | --- |
| **LAST\_NAME** | **SALARY** |
| **Kochhar** | **17000** |
| **De Haan** | **17000** |
| **Mourgos** | **5800** |
| **Zlotkey** | **10500** |
| **Hartstein** | **13000** |

Ans5.

SELECT LAST\_NAME, SALARY

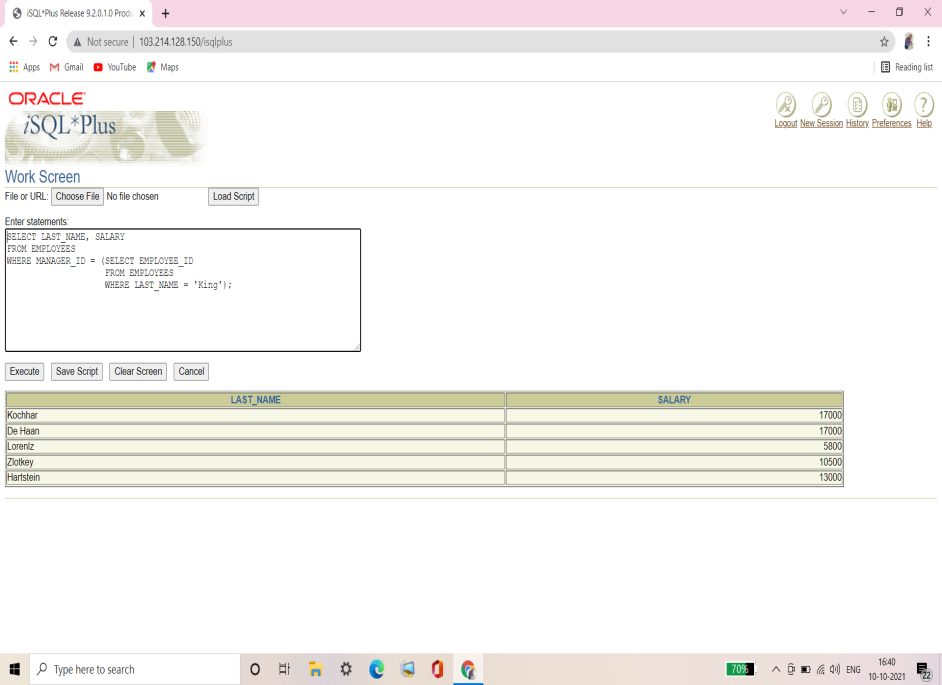
FROM EMPLOYEES

WHERE MANAGER\_ID = (SELECT EMPLOYEE\_ID

FROM EMPLOYEES

WHERE LAST\_NAME = 'King');

**Verification table -**



**Q6. Display the department number, last name, and job ID for every employee in the Executive department.**

|  |  |  |
| --- | --- | --- |
| **DEPARTMENT\_ID** | **LAST\_NAME** | **JOB\_ID** |
| **90** | **King** | **AD\_PRES** |
| **90** | **Kochhar** | **AD\_VP** |
| **90** | **De Haan** | **AD\_VP** |

Ans6.

SELECT DEPARTMENT\_ID, LAST\_NAME, JOB\_ID

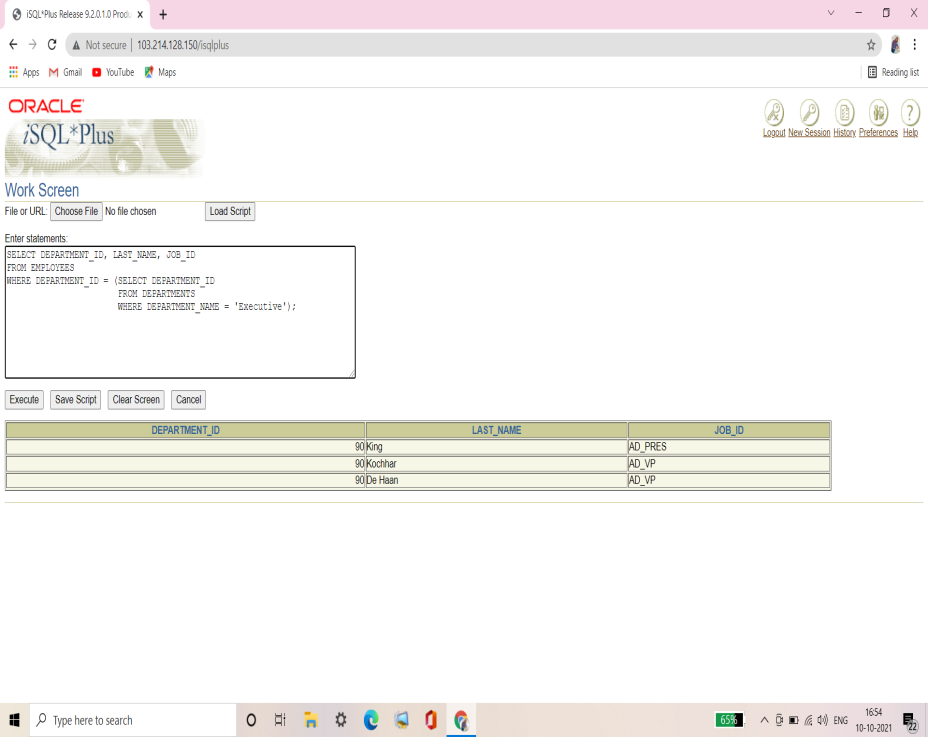
FROM EMPLOYEES

WHERE DEPARTMENT\_ID = (SELECT DEPARTMENT\_ID

FROM DEPARTMENTS

WHERE DEPARTMENT\_NAME = 'Executive');

**Verification table -**



**Q7. Modify the query in lab9\_3.sql to display the employee numbers, last names, and salaries of all employees who earn more than the average salary and who work in a department with any employee with a u in their name. Resave lab9\_3.sql to lab9\_7.sql. Run the statement in lab9\_7.sql.**

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **LAST\_NAME** | **SALARY** |
| **103** | **Hunold** | **9000** |

Ans7.

SELECT EMPLOYEE\_ID, LAST\_NAME, SALARY

FROM EMPLOYEES

WHERE SALARY > (SELECT AVG(SALARY)

FROM EMPLOYEES)

AND DEPARTMENT\_ID IN (SELECT DEPARTMENT\_ID

FROM EMPLOYEES

WHERE LAST\_NAME LIKE '%u%');

**Verification table -**

