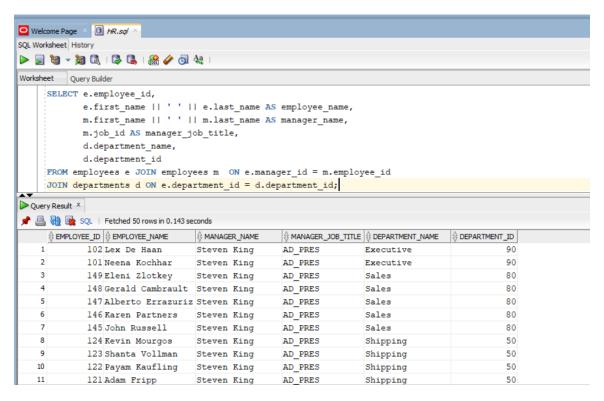
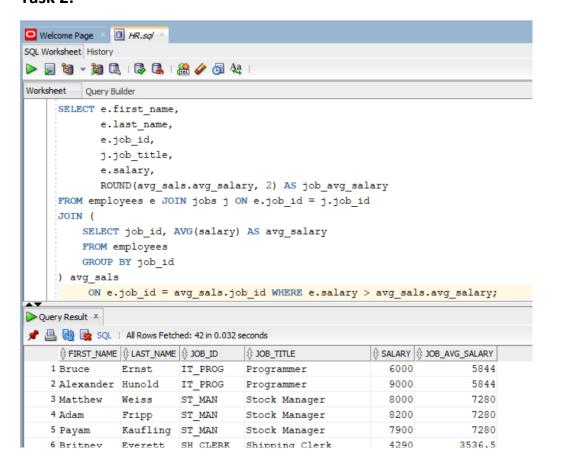
### Lab 5 - INLAB

# 23K-0594

#### **TASK 1:**

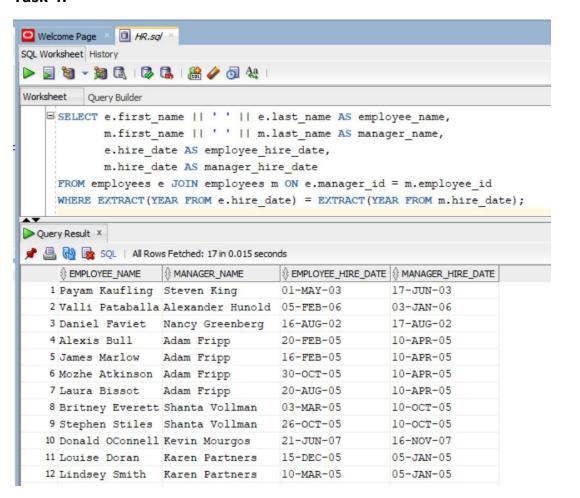


#### Task 2:



# Task 3:

# Task 4:



# Task 5:

```
Welcome Page X  HR.sql X
SQL Worksheet History
Worksheet
         Query Builder
   SELECT department name, total salary
     FROM (
         SELECT d.department name,
                SUM(e.salary) AS total salary
         FROM employees e
         JOIN departments d
              ON e.department id = d.department id
         GROUP BY d.department name
         ORDER BY total salary DESC
     ) WHERE ROWNUM = 1;
Query Result X
📌 🚇 🙀 🕵 SQL | All Rows Fetched: 1 in 0.008 seconds
     DEPARTMENT_NAME OF TOTAL_SALARY
    1 Sales
                          308235
```

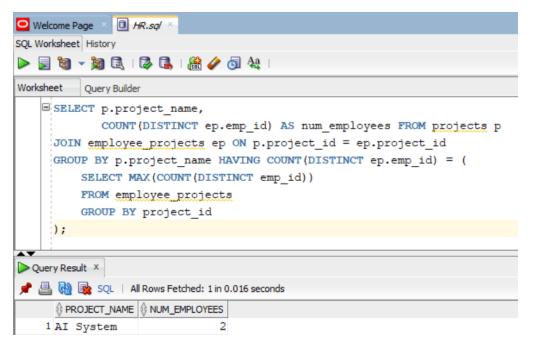
#### Task 6:

```
■ Welcome Page
□ HR.sql ×
SQL Worksheet History
⊳ 📃 🗑 🔻 👼 🗟 | 🔯 🖺 | 🖀 🥢 👩 🝇 |
Worksheet Query Builder
   SELECT e.first name | | ' ' | | e.last name AS employee name,
             p.project name,
             SUM(ep.hours worked) AS total hours FROM employees e
     JOIN employee projects ep ON e.employee id = ep.emp_id
     JOIN projects p ON ep.project id = p.project id
     WHERE TO_CHAR(p.start_date, 'YYYY') = '2023'
     GROUP BY e.first_name | | ' ' | | e.last_name, p.project_name HAVING SUM(ep.hours_worked) < 50;
Query Result X
📌 🖺 🙀 🗽 SQL | All Rows Fetched: 2 in 0.024 seconds

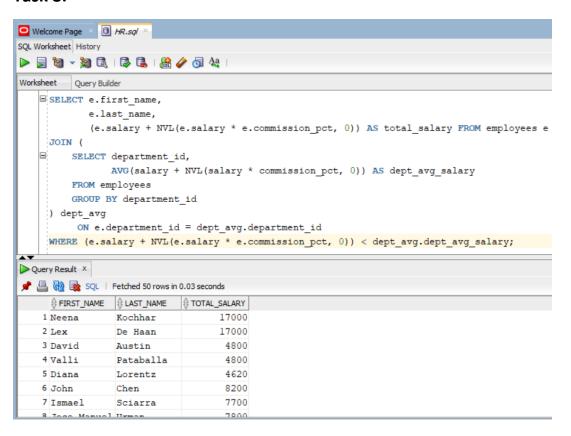
♠ EMPLOYEE_NAME | ♠ PROJECT_NAME | ♠ TOTAL_HOURS

    1 Neena Kochhar AI System
                                           20
    2 Steven King AI System
                                           30
```

# Task 7:



#### Task 8:



# Task 9:

```
SQL Worksheet History
🕨 🕎 👸 🔻 🧝 📵 🗛 🛚
Worksheet Query Builder
   FSELECT d.department_name,
          c.country name,
          SUM(e.salary) AS dept_total_salary FROM employees e
    JOIN departments d ON e.department_id = d.department_id
    JOIN locations 1 ON d.location_id = 1.location_id
    JOIN countries c ON l.country_id = c.country_id
    GROUP BY d.department_name, c.country_name HAVING SUM(e.salary) > (
        SELECT AVG(dept total)
        FROM (
            SELECT SUM(salary) AS dept total
           FROM employees
            GROUP BY department id
Query Result X
📌 🖺 🙀 🗽 SQL | All Rows Fetched: 2 in 0.017 seconds
   1 Shipping
                                                168400
                  United States of America
   2 Sales
                  United Kingdom
                                                 308235
```

### **Task 10:**

