**Subquery Exercise: Employee and Department Database**

**Create a following table with name of employees**

|  |  |  |  |
| --- | --- | --- | --- |
| **emp\_id** | **name** | **salary** | **department\_id** |
| 1 | Alice | 70000 | 1 |
| 2 | Bob | 50000 | 2 |
| 3 | Carol | 90000 | 1 |
| 4 | Dave | 45000 | 3 |
| 5 | Eve | 80000 | 2 |

**Create a following table with name of departments**

|  |  |
| --- | --- |
| **department\_id** | **department\_name** |
| 1 | HR |
| 2 | IT |
| 3 | Finance |

**Exercise Questions:**

**1. Find employees who work in the same department as 'Alice'.**

**2. Retrieve the names of departments that have at least one employee earning more than $75,000.**

**3. Find the highest-paid employee in each department.**

**4. Write a query to find employees who earn more than the average salary of their department.**