TABLE SCHEMA

A close up of a document

Description automatically generatedA white paper with black text

Description automatically generated

A close up of a paper

Description automatically generated

EMPLOYEES TABLE DEPARTMENTS TABLE LOCATIONS TABLE

|  |  |  |
| --- | --- | --- |
| KPI | SQL QUERY | DAX FUNCTION |
| **Total Employees** | select count(employee\_id) Total\_Employees from employees; | = COUNT(Employees[EMPLOYEE\_ID]) |
| **Total Salary Expense** | select sum (salary) Total\_Salary\_Expense from employees; | = SUM(Employees[SALARY]) |
| **Average Salary** | select avg (salary) Average\_Salary from employees; | = AVERAGE(Employees[SALARY]) |
| **Full Name** | select first\_name || ' ' || last\_name Full\_Name from employees; | = Employees [FIRST\_NAME] & " " & Employees [LAST\_NAME] |
| **Tenure in Years** | SELECT round (MONTHS\_BETWEEN (SYSDATE, hire\_date) / 12) AS tenure\_in\_years  FROM employees; | = DATEDIFF(employees  [hire\_date], TODAY(), YEAR) |
| **Department Name** | SELECT distinct (d. department\_name)  FROM departments d join employees e on e. department\_id = d. department\_id; | = RELATED(Departments  [DEPARTMENT\_NAME]) |
| **Location Details** | select distinct (l.city) ||' ' || l.country\_id location\_details from locations l join departments d on d.location\_id = l.location\_id  join employees e on d.department\_id = e.department\_id; | = RELATED(Locations[CITY])  & ", " & RELATED(Locations[  COUNTRY\_ID]) |

SQL QUERY VIS-A-VIS DAX FUNCTION