**TP 3 : SSAS**

**Analysis Services (OLAP)**

1. Download SQL Server Management Studio (SSMS).
2. Connect to the PC Server
3. Create a new analysis project as follows: “student\_name”
4. When your project is created, create a “cube” which contains two different tables:

Employee ( id, name, gender, salary, department)

Company ( idE, nameE)

1. Fill in the tables:

|  |  |
| --- | --- |
| idE | nameE |
| 01 | X |
| 02 | Y |
| 03 | Z |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | name | gender | salary | department |
| 1 | David | male | 5000 | sales |
| 2 | Jim | female | 6000 | HR |
| 3 | Kate | female | 7500 | IT |
| 4 | Will | male | 6500 | marketing |
| 5 | Shane | female | 5500 | finance |
| 6 | Shed | male | 8000 | sales |
| 7 | Vik | male | 7200 | HR |
| 8 | Vince | female | 6600 | IT |
| 9 | Jane | female | 5400 | marketing |
| 10 | Laura | female | 6300 | finance |

1. Execute the database.
2. It is time to create different views of the created cube. For this, we must answer some queries:

View 1: Calculate the SALARY\_SUM for each department.

View 2: Calculate the SALARY\_SUM for all departments.

View 3: Calculate the SALARY\_SUM for all departments and genders.

1. As result, we want to see the diagram and the different results.
2. Create View 4: Calculate the SALARY\_SUM for each department in all companies.