School and Students with Courses (Association and Aggregation)

Class: Employee

- **Attributes:**

  - **Name : string**

  - **EmployeeID : string**

- **Methods:**

  - **Work()**

  - **DisplayInfo()**

Class: Department

- **Attributes:**

  - **Name : string**

  - **Employees : List<Employee>**

- **Methods:**

  - **AddEmployee(emp : Employee)**

  - **RemoveEmployee(emp : Employee)**

  - **DisplayEmployees()**

Class: Company

- **Attributes:**

  - **Name : string**

  - **Departments : List<Department> // Composition**

- **Methods:**

  - **AddDepartment(dep : Department)**

  - **RemoveDepartment(dep : Department)**

  - **DisplayDepartments()**

Relationship:

- **Composition: Company contains Departments → Departments cannot exist without Company**

- **Composition: Department contains Employees → Employees cannot exist without Department**