EDGE PROGRAM PROJECT

Tables and Schema

1. **Employees**
   - `EmployeeID` (Primary Key)
   - `FirstName`
   - `LastName`
   - `DateOfBirth`
   - `Gender`
   - `HireDate`
   - `JobTitle`
   - `DepartmentID` (Foreign Key)
   - `ManagerID` (Foreign Key, references EmployeeID)
   - `Salary`
2. **Departments**
   - `DepartmentID` (Primary Key)
   - `DepartmentName`
   - `Location`
3. **Jobs**
   - `JobID` (Primary Key)
   - `JobTitle`
   - `MinSalary`
   - `MaxSalary`
4. **EmployeeContacts**
   - `ContactID` (Primary Key)
   - `EmployeeID` (Foreign Key)
   - `Phone`
   - `Email`
   - `Address`
5. **Salaries**
   - `SalaryID` (Primary Key)
   - `EmployeeID` (Foreign Key)
   - `Salary`
   - `EffectiveDate`
6. **Benefits**
   - `BenefitID` (Primary Key)

- o `BenefitName`
- o `Description`
7. **EmployeeBenefits**
   - o `EmployeeBenefitID` (Primary Key)
   - o `EmployeeID` (Foreign Key)
   - o `BenefitID` (Foreign Key)
   - o `StartDate`
   - o `EndDate`
8. **PerformanceReviews**
   - o `ReviewID` (Primary Key)
   - o `EmployeeID` (Foreign Key)
   - o `ReviewDate`
   - o `ReviewerID` (Foreign Key, references EmployeeID)
   - o `Comments`
   - o `Rating`
9. **TrainingPrograms**
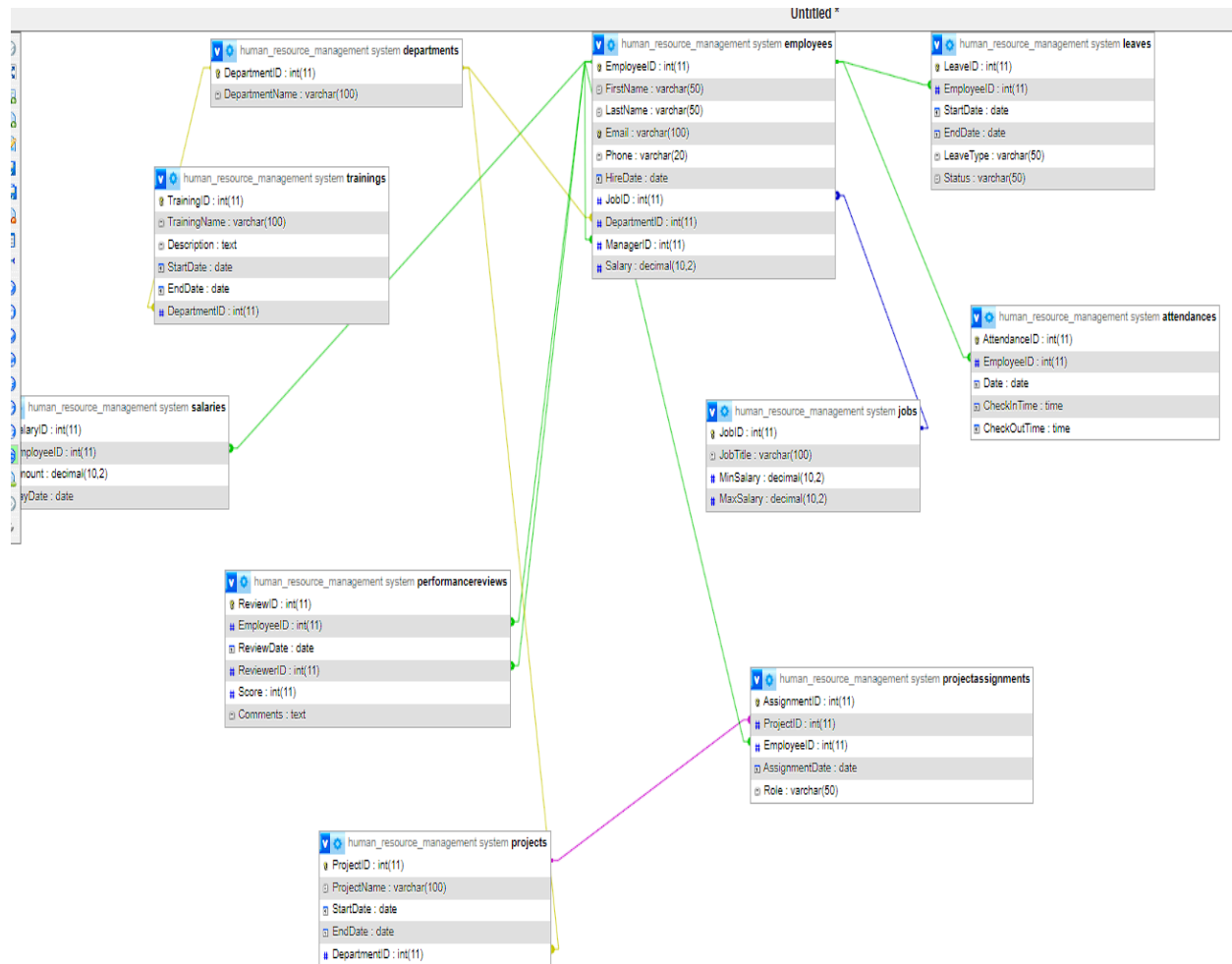   - o `TrainingID` (Primary Key)
   - o `TrainingName`

Entity-Relationship Diagram (ERD)

Let's summarize these relationships and visualize them in an ERD.

ERD Relationships:

- **Employees** to **Departments**: Many-to-One
- **Employees** to **Jobs**: Many-to-One
- **Employees** to **Employees (Manager)**: Many-to-One
- **Employees** to **Salaries**: One-to-Many
- **Employees** to **Attendances**: One-to-Many
- **Employees** to **Leaves**: One-to-Many
- **Departments** to **Projects**: One-to-Many
- **Projects** to **ProjectAssignments**: One-to-Many
- **Employees** to **ProjectAssignments**: One-to-Many

- **Employees** to **PerformanceReviews (Reviewed)**: One-to-Many
- **Employees** to **PerformanceReviews (Reviewer)**: One-to-Many
- **Departments** to **Trainings**: One-to-Many

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- o
- o Description
- o StartDate
- o EndDate

10. **EmployeeTraining**
    - o EmployeeTrainingID (Primary Key)
    - o EmployeeID (Foreign Key)
    - o TrainingID (Foreign Key)
    - o CompletionStatus