**BAUN.6320.504**

**Homework #3. HR Database**

1. Drop all the tables created in the class in HR database showing step by step dropping the FK’s and then the tables.**(15 pt.)**
2. Create The following tables:
   1. **Regions (5 pt.)**
      1. RegionId: PRIMARY KEY WITH IDENTITY (1,1)
      2. RegionName: VARCHAR(25) with Null default

* 1. **Countries (5 pt.)** table stores the data of countries where the company is doing business
     1. CountrId CHAR (2) PRIMARY KEY
     2. CountryName VARCHAR(40) characters DEFAULT NULL,
     3. RegionId INT
  2. **Locations (5 pt.)** table stores the location of the departments of the company
     1. LocationId PRIMARY KEY IDENTITY(1,1
     2. StreetAddress VARCHAR(40) DEFAULT NULL,
     3. PostalCode VARCHAR(12) DEFAULT NULL,
     4. City VARCHAR(30) NOT NULL,
     5. StateProvince VARCHAR(25) DEFAULT NULL,
     6. CountryId CHAR (2) NOT NULL

**There is one (1) foreign key as follows:**

1. Reference **Countries** table on column (CountryId)
   1. **Jobs (5 pt.)** table stores the job data
      1. JobId PRIMARY KEY IDENTITY(1,1)
      2. Job\_title VARCHAR(35) NOT NULL
      3. MinSalary MONEY DEFAULT NULL,
      4. MaxSsalary MONEY DEFAULT NULL
   2. **Departments** (5 pt.)table stores department data
      1. DepartmentId PRIMARY KEY IDENTITY(1,1)
      2. DepartmentName VARCHAR(30) NOT NULL
      3. LocationId INT DEFAULT NULL

**There is one (1) foreign key as follows:**

1. Reference **Location** table on column (LocationId)
   1. **Employees (15 pt.)** table which stores the data of employees
      1. EmployeeId PRIMARY KEY IDENTITY(1,1)
      2. FirstName VARCHAR(20) DEFAULT NULL
      3. LastName VARCHAR(25 NOT NULL
      4. eMail VARCHAR(100) NOT NULL
      5. PhoneNumber VARCHAR(13) DEFAULT NULL
      6. HireDate DATE NOT NULL
      7. JobId INT NOT NULL
      8. Salary MONEY NOT NULL
      9. ManagerId INT NULL
      10. DepartmentId INT NULL

In Table Employees, add the following three Foreign Keys

* + - 1. Reference **Jobs** table on column (JobId),
      2. Reference **Departments** table on column (DepartmentId)
      3. Reference **Employees** table (itself) on column (EmployeeId). The manager is an employee, so he/she should be in the table

* 1. **Dependents** **(5 pt.)** table stores the employee’s dependents
     1. DependentId PRIMARY KEY IDENTITY(1,1)
     2. FirstName VARCHAR(50) NOT NULL,
     3. FirstName VARCHAR(50) NOT NULL,
     4. Relationship VARCHAR(25) NOT NULL,
     5. EmployeeId INT NOT NULL

**There is one (1) foreign key as follows:**

1. Reference **Employees** table on column (EmployeeId)
2. In Table **Jobs**, rename column job\_title to JobTitle **(5 pt.)**

1. In Table **Employees**, add column Gender CHAR(1). The column can have Null value **(5 pt.)**
2. In Table **Employees**, drop column Gender. **(5 pt.)**
3. Insert the following **FOUR** regions in table **Region** table in order (Europe, Americas, Asia, Middle East and Africa) **(5 pt.)**
4. Insert 5 rows in each of the tables. Please provide text insert scrip for your data. **(20 pt.)**