1) You are developing a Human Resource Management System which will store information about the employees. Create an Employee class with following properties:

a) EmployeeID

b) FirstName

c) LastName

d) Salary

e) DateOfJoining

2) You need to meet the following requirements before storing employee data in the system:

a) FirstName and LastName are mandatory.

b) EmployeeID and Salary can contain only numbers.

c) FirstName and LastName can contain only characters.

d) DateOfJoining cannot be greater than current date.

3) Write a code to perform the following operations (Use Generic Collections. Use Interface to define the operations that can be performed on an Employee and Repository Class implementing that Interface):

a) Add an Employee

b) Update the Existing Employee

c) Delete the Existing Employee

d) Display all the Employees

e) Display a single employee record using EmployeeID

f) Add Employee Records to the File.

g) Display Employee Records from File

4) Write a code to perform the following operations (Use Connected Architecture. Implement all the validations mentioned in Step 2):

a) Add an Employee

b) Update the Existing Employee

c) Delete the Existing Employee

d) Display all the Employees

e) Display a single employee record using EmployeeID

**The code must be Modular, Object Oriented, and Loosely Coupled.**