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| **Day 22 Assignment**  **By**  **Paluru Mounika**  **22-02-2022** |

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| **EmployeeBLL:** |
| **Code:** |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  using DataAccessLayer;  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //Author:paluru mounika  //purpose:business logic layer  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  namespace BusinessLogicLeyar  {  public class EmployeeBLL  {  /// <summary>  /// AddEmployee details  /// </summary>  /// <param name="empId"></param>  /// <param name="empname"></param>  /// <param name="empsalary"></param>  /// <param name="empAge"></param>  /// <returns></returns>  public static bool AddEmployee(int empId, string empname, int empsalary, int empAge)  {  var result = EmployeeDAL.AddEmployee(empId, empname, empsalary, empAge);  return result;  }  /// <summary>  /// get employee id  /// </summary>  /// <param name="id"></param>  /// <returns></returns>  public static List<string> GetEmployeeById(int id)  {  var result = EmployeeDAL.GetEmployeeById(id);  return result;  }  /// <summary>  /// get employee by name  /// </summary>  /// <param name="name"></param>  /// <returns></returns>  public static List<string> GetEmployeeByname(string name)  {  var result = EmployeeDAL.GetEmployeeByname(name);  return result;  }  /// <summary>  /// display all emmployee details  /// </summary>  /// <returns></returns>  public static string[] GetallEmployees()  {  var result = EmployeeDAL.GetallEmployees();  return result;  }  }  } |

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| **EmployeeDAL:** |
| **Code:** |
| using System;  using System.Collections.Generic;  using System.IO;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //Author:paluru mounika  //purpose:employee data access layer  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  namespace DataAccessLayer  {  public static class EmployeeDAL  {  public static string filepath = "C:\\Users\\mouni\\my html/EmployeeData";  public static bool AddEmployee(int empId,string empname,int empsalary,int empAge)  {  try  {  string textcontent = string.Concat(empId, ",", empname, ",", empsalary, ",", empAge, ",");  File.AppendAllText(filepath, textcontent + Environment.NewLine);  return true;  }  catch (Exception ex)  {  return false;  }  }  /// <summary>  /// employee by id  /// </summary>  /// <param name="id"></param>  /// <returns></returns>  public static List<string> GetEmployeeById(int id)  {  var allEmployees = File.ReadAllLines(filepath);  bool isFound = false;  List<string> EmployeeFound = new List<string>();  foreach (string employee in allEmployees)  {  var empDetails = employee.Split(',');  if (Convert.ToInt32(empDetails[0]) == id)  {  isFound = true;  EmployeeFound.Add(employee);  break;  }  }  return EmployeeFound;  }  /// <summary>  /// employee by name  /// </summary>  /// <param name="name"></param>  /// <returns></returns>  public static List<string> GetEmployeeByname(string name)  {  var allEmployees = File.ReadAllLines(filepath);  bool isFound = false;  List<string> EmployeeFound = new List<string>();  foreach (string employee in allEmployees)  {  var empDetails = employee.Split(',');  if ((empDetails[1]).Contains(name))  {    EmployeeFound.Add(employee);    }  }  return EmployeeFound;  }  /// <summary>  /// display employee details  /// </summary>  /// <returns></returns>  public static string [] GetallEmployees()  {  var allEmployees=File.ReadAllLines(filepath);  return allEmployees;    }  }  } |

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| **MouniClintApp:** |
| Code: |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  using BusinessLogicLeyar;  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  //Author:paluruy mounika  //Purposer:clint app  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  namespace MouniClintApp  {  internal class Program  {  static void Main(string[] args)  {    int ch;  string choice;  do  {  Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  Console.WriteLine("Employee Management Application");  Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  Console.WriteLine("1.Add Employee:");  Console.WriteLine("2.Search Employee By Id:");  Console.WriteLine("3. search Employee By name:");  Console.WriteLine("4.Display all Employee:");  Console.WriteLine("Enter your coice");  ch = Convert.ToInt32(Console.ReadLine());  switch (ch)  {  case 1:  AddEmployee();  break;  case 2:  searchEmployeeById();  break;  case 3:  searchEmployeeByname();  break;  case 4:  DisplayAllEmployees();  break;  default:  Console.WriteLine("invalid option");  break;  }  Console.WriteLine(" do you want to continue(y/n)");  choice = Console.ReadLine();  }  while (choice.Equals("y"));  }  /// <summary>  /// Add employee details  /// </summary>  public static void AddEmployee()  {  int Id, salary, age;  string name;  Console.WriteLine("Enter Id");  Id = Convert.ToInt32(Console.ReadLine());  Console.WriteLine("Enter salary");  salary = Convert.ToInt32(Console.ReadLine());  Console.WriteLine("Enter age");  age = Convert.ToInt32(Console.ReadLine());  Console.WriteLine("Enter name");  name = Console.ReadLine();  var result = EmployeeBLL.AddEmployee(Id, name, salary, age);  if (result)  Console.WriteLine("Employee details saved successfully");  else  Console.WriteLine("some error occured");  }  /// <summary>  /// search employee by id  /// </summary>  public static void searchEmployeeById()  {  int id;  Console.WriteLine("enter id:");  id = Convert.ToInt32(Console.ReadLine());  var result = EmployeeBLL.GetEmployeeById(id);  if (result.Count == 0)  Console.WriteLine("No records exists with this id:");  else  {  result.ForEach(p => Console.WriteLine(p));  }  }  /// <summary>  /// search employee by name  /// </summary>  public static void searchEmployeeByname()  {  string name;  Console.WriteLine("enter name");  name = Console.ReadLine();  var result = EmployeeBLL.GetEmployeeByname(name);  if (result.Count == 0)  Console.WriteLine("no records exists with this name");  else  {  result.ForEach(p => Console.WriteLine(p));  }  }  /// <summary>  /// dispalay alla employee deatails  /// </summary>  public static void DisplayAllEmployees()  {    var result = EmployeeBLL.GetallEmployees();  result.ToList().ForEach(p => Console.WriteLine(p));        }  }  } |

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| **output:** |
| **textFile:** |
| **Add Employee:** |
| **Search Employee by Id:** |
| **Search employee by name:** |
| **DisplayAll Employee:** |

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