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using System;
using System.Collections.Generic;
using System.IO;
using System.Text;

namespace Compiler
{
    static public class FileHandler
    {
        static public List<string> getFiles(string directory)
        {
            string[] files = Directory.GetFiles(directory, "*.txt");
            List<string> fileList = new List<string>();
            foreach (string file in files)
            {
                fileList.Add(file);
            }
            return fileList;
        }

        /**
        **** FUNCTION readFromFile
        **** DESCRIPTION : Reads all lines from a file and trimms them before
        **** storing them in a list.
        **** INPUT ARGS : string fileName
        **** OUTPUT ARGS :
        **** IN/OUT ARGS :
        **** RETURN :List<string>
        *****/
        static public void readFromFile(string fileName, List<string> allFiles)
        {
            if (checkFile(getDirectory() + fileName))
            {
                string[] lines = File.ReadAllLines(getDirectory() + fileName);

                foreach (string line in lines)
                {
                    allFiles.Add(line.Trim());
                }
            }
        }

        /**
        **** FUNCTION getDirectory
        **** DESCRIPTION : gets current directory where files should be stored
        **** INPUT ARGS :
        **** OUTPUT ARGS :
        **** IN/OUT ARGS :
        *****/
    }
}

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*** RETURN : string
*****/
static public string getDirectory()
{
    string currentDirectory = Directory.GetCurrentDirectory();
    int pos = currentDirectory.IndexOf(@"bin");
    return currentDirectory.Remove(pos);
}
*****/
*** FUNCTION checkFile
*****/
*** DESCRIPTION : Validates that file exists
*** INPUT ARGS : string fileName
*** OUTPUT ARGS :
*** IN/OUT ARGS :
*** RETURN : bool
*****/
static public bool checkFile(string fileName)
{
    return File.Exists(fileName);
}

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}

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}

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