File System I/O

Check file exists

```
1  using System;
2  using System.IO;
3
4  namespace test
5  {
6      class Program
7      {
8          static void Main(string[] args)
9          {
10             // path is NOT case sensitive
11             string path = @"d:\temp\MyTest.txt";
12             if (File.Exists(path))
13             {
14                 Console.WriteLine("File found.");
15             }
16             else
17             {
18                 Console.WriteLine("File not found.");
19             }
20         }
21     }
22 }
```

Read file

```
static void Main(string[] args)
{
    // path is NOT case sensitive
    string path = @"d:\temp\MyTest.txt";
    if (File.Exists(path))
    {
        Console.WriteLine("File found.");
        // Open the file to read from.
        using (StreamReader sr = File.OpenText(path))
        {
            string s = "";
            while ((s = sr.ReadLine()) != null)
            {
                Console.WriteLine(s);
            }
            // You do NOT need to call Flush() or Close().
        }
    }
    else
    {
        Console.WriteLine("File not found.");
    }
}
```

Delete file

```
static void Main(string[] args)
{
    string path = @"d:\temp\MyTest2.txt";
    if (File.Exists(path))
    {
        Console.WriteLine("File found.");
        File.Delete(path);
    }
    else
    {
        Console.WriteLine("File not found.");
    }
}
```

Exercise

File.AppendText(path)