

Context:

This document contains assignments to be completed as part of the hands-on for the IO topics.

Assignment 1: Working with streamreader, streamwriter

Estimated time: 10 Mins

Problem description: Given a file having following data:

Your name:

City of Birth:

Hobbies:

Read each line to display on console. Accept user input for each question and append it to file.

Hint: Use StreamReader,StreamWriter,FileStream class to read/write the file

Assignment 2: Working with FileInfo class

Estimated time: 10 Mins

Problem description: Create an object of FileInfo class (passing a text file as parameter) and perform following:

Get the full path of the text file

Get the size of the file in bytes

Copy the file to another location

Move the file to another location

Use the OpenRead(),OpenText() and Open() methods of FileInfo object to read/write the file

Assignment 3: Working with File class

Estimated time: 10 Mins

Problem description: Use the methods and properties of static class “File” to perform following:

Create file

Write to file

Read from file

Copy file to another location

Move file to another location

Replace the file with another file

Assignment 4: Working with DirectoryInfo class

Estimated time: 10 Mins

Problem description: Create an object of DirectoryInfo class to perform following:

Create a directory WorkingWithDirectoryInfo under C drive

Create some subdirectories within the created directory

Enumerate through the subdirectories and display the names on console

Move the complete directory to another location

Display the name of parent directory for the given directory

Assignment 5: Working with Directory class

Estimated time: 10 Mins

Problem description: Use the properties and methods provided by static class Directory to perform following:

Create a directory WorkingWithDirectory under C drive

Create some subdirectories under the given directory

Enumerate through the subdirectories and display the names on console

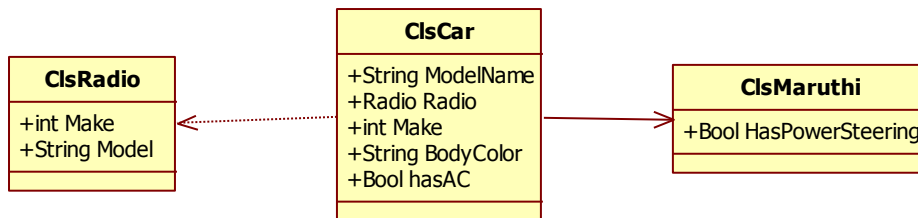
Move the complete directory to another location

Display the name of parent directory for the given directory

Assignment 6: Serialization/deserialization

Estimated time: 15 Mins

Problem description: Create classes as per the UML diagram given below:



Use all three types of serialization techniques i.e. binary, SOAP and XML to serialize and deserialize objects of class ClsMaruthi.

Summary of assignments:

You have learnt

- Working with streamreader, streamwriter
- Working with FileInfo class
- Working with File class
- Working with DirectoryInfo class
- Working with Directory class
- How to serialize/deserialize objects