

# Demonstrate random access



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/*
C#: The Complete Reference
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*/

// Demonstrate random access.

using System;
using System.IO;

public class RandomAccessDemo {
public static void Main() {
FileStream f;
char ch;

try {
f = new FileStream("random.dat", FileMode.Create);
}
catch(IOException exc) {
Console.WriteLine(exc.Message);
return ;
}

// Write the alphabet.
for(int i=0; i < 26; i++) { try { f.WriteByte((byte)('A'+i));
} catch(IOException exc) { Console.WriteLine(exc.Message);
return ; } } try { // Now, read back specific values f.Seek(0,
SeekOrigin.Begin); // seek to first byte ch = (char)
f.ReadByte(); Console.WriteLine("First value is " + ch);
f.Seek(1, SeekOrigin.Begin); // seek to second byte ch =
(char) f.ReadByte(); Console.WriteLine("Second value is " +
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ch); f.Seek(4, SeekOrigin.Begin); // seek to 5th byte ch =
(char) f.ReadByte(); Console.WriteLine("Fifth value is " +
ch); Console.WriteLine(); // Now, read every other value.
Console.WriteLine("Here is every other value: "); for(int i=0;
i < 26; i += 2) { f.Seek(i, SeekOrigin.Begin); // seek to ith
double ch = (char) f.ReadByte(); Console.Write(ch + " "); } }
catch(IOException exc) { Console.WriteLine(exc.Message); }
Console.WriteLine(); f.Close(); } } [/csharp]
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