class Program

{

static void Main(string[] args)

{

//Console.WriteLine("Hello");

//Console.ReadLine();

StringWriter writer = new StringWriter();

writer.WriteLine("This is first line");

writer.WriteLine("This is second line");

StringReader reader = new StringReader(writer.ToString());

string str = reader.ReadLine();

while(str!= null)

{

Console.WriteLine(str);

str= reader.ReadLine();

}

StringReader reader1 = new StringReader(writer.ToString());

char str1 = (char)reader1.Read();

while(str1!=-1)

{

Console.Write(str1);

Console.ReadLine();

str1 = (char)reader1.Read();

}

}

}

}

StreamWriter writer = new StreamWriter("E:\\Practice.txt");

writer.WriteLine("This is my first statement");

writer.WriteLine("This is my second statement");

writer.Close();

StreamReader reader = new StreamReader("E:\\Practice.txt");

//string str = reader.ReadLine();

//while(str!=null)

//{

// Console.WriteLine(str);

// str = reader.ReadLine();

//}

//reader.Close();

Console.WriteLine("using Read Method");

while (reader.Read() > 0)

{

Console.Write((char)reader.Read());

}

// reader.Close();

Console.WriteLine("using Peek Method");

reader = new StreamReader("E:\\Practice.txt");

while (reader.Peek()>0)

{

Console.Write((char)reader.Read());

}

reader.Close();

FileStream fs = new FileStream(@"E:\practiceDemo.txt", FileMode.Create, FileAccess.Write);

StreamWriter writer = new StreamWriter(fs);

Console.WriteLine("Enter Your Name");

string name = Console.ReadLine();

writer.WriteLine(name);

Console.WriteLine("Enter Your Department");

string dept = Console.ReadLine();

writer.WriteLine(dept);

Console.WriteLine("To Read");

writer.Close();

fs.Close();

fs = new FileStream(@"E:\practiceDemo.txt", FileMode.Open, FileAccess.Read);

string str;

StreamReader reader = new StreamReader(fs);

str = reader.ReadLine();

while(str!=null)

{

Console.WriteLine(str);

str = reader.ReadLine();

}

reader.Close();

fs.Close();