**Test Plan for Assignment #1**

Standard Tests with current directory being the debug folder containing project files.

Test 1)

The file ass1ai.out is produced by the following command line**: buffer.exe ass1.pls additive > ass1ai.out**

Output file ass1ai.out expected:

|  |
| --- |
| Reading file ass1.pls ....Please wait  Printing buffer parameters:  The capacity of the buffer is: 320  The current size of the buffer is: 319  The operational mode of the buffer is: 1  The increment factor of the buffer is: 15  The first symbol in the buffer is: C  The value of the flags field is: FFF9  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all computer users to  ignore the machine-dependent details of machine language.  Isn't that nice? =:)    CST8152  Spring, 2020  Printing buffer parameters:  The capacity of the buffer is: 320  The current size of the buffer is: 320  The operational mode of the buffer is: 1  The increment factor of the buffer is: 15  The first symbol in the buffer is: C  The value of the flags field is: FFFB  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all computer users to  ignore the machine-dependent details of machine language.  Isn't that nice? =:)    CST8152  Spring, 2020ÿ |

Test 2)

The file ass1mi.out is produced by the following command line:

**buffer.exe ass1.pls multiplicative > ass1mi.out**

Output file ass1mi.out expected:

|  |
| --- |
| Reading file ass1.pls ....Please wait  Printing buffer parameters:  The capacity of the buffer is: 5084  The current size of the buffer is: 319  The operational mode of the buffer is: -1  The increment factor of the buffer is: 15  The first symbol in the buffer is: C  The value of the flags field is: FFF9  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all computer users to  ignore the machine-dependent details of machine language.  Isn't that nice? =:)    CST8152  Spring, 2020  Printing buffer parameters:  The capacity of the buffer is: 320  The current size of the buffer is: 320  The operational mode of the buffer is: -1  The increment factor of the buffer is: 15  The first symbol in the buffer is: C  The value of the flags field is: FFFB  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all computer users to  ignore the machine-dependent details of machine language.  Isn't that nice? =:)    CST8152  Spring, 2020ÿ |

Test 3)

The file ass1fi.out is produced by the following command line:

**buffer.exe ass1.pls fixed > ass1fi.out**

Output file ass1fi.out expected:

|  |
| --- |
| Reading file ass1.pls ....Please wait  The input file ass1.pls has not been completely loaded.  Last character read from the input file is: t 116  Input file size: 327  Printing buffer parameters:  The capacity of the buffer is: 200  The current size of the buffer is: 200  The operational mode of the buffer is: 0  The increment factor of the buffer is: 0  The first symbol in the buffer is: C  The value of the flags field is: FFF9  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all compu  Printing buffer parameters:  The capacity of the buffer is: 201  The current size of the buffer is: 201  The operational mode of the buffer is: 0  The increment factor of the buffer is: 0  The first symbol in the buffer is: C  The value of the flags field is: FFFB  Printing buffer contents:  Compilers are fundamental to modern computing.  They act as translators, transforming human-oriented  language into computer-oriented machine-language.  A compiler allows virtually all compuÿ |

Test 4)

The file ass1e.out is produced by the following command line:

**buffer.exe ass1e.pls fixed > ass1e.out**

Output file ass1e.out expected:

|  |
| --- |
| Reading file ass1e.pls ....Please wait  Printing buffer parameters:  The capacity of the buffer is: 200  The current size of the buffer is: 0  The operational mode of the buffer is: 0  The increment factor of the buffer is: 0  The first symbol in the buffer is:  The value of the flags field is: FFF9  Printing buffer contents:  empty buffer  Printing buffer parameters:  The capacity of the buffer is: 1  The current size of the buffer is: 1  The operational mode of the buffer is: 0  The increment factor of the buffer is: 0  The first symbol in the buffer is: ÿ  The value of the flags field is: FFFB  Printing buffer contents:  ÿ |