

Additional Test Files for a Working Buffer

CST8152 - Compilers, Assignment 1

NAME: _____

All output test files are produced with the same input file *bigf.pls* and the following Buffer parameters.

Buffer * b_allocate (short init_capacity, char inc_factor, char o_mode);

#	File	init_capacity	inc factor	o_mode	Working
01	bigfai.out	200	15	a	Y / N->BGE
02	bigfail28.out	200	128	a	Y / N->BGE
03	bigfamax.out	SHRT_MAX-1	2	a	Y / N->BGE
04	bigffi0.out	200	0/any	f	Y / N->SVE
05	bigffi128.out	200	128/any	f	Y / N->SVE
06	bigfmi.out	200	15	m	Y / N->BGE
07	bigfmi9.out	SHRT_MAX-10	9	m	Y / N->BGE
08	bigfmmax.out	SHRT_MAX-1	15	m	Y / N->BGE
09	bigfai0.out	200	0	a	Y / N->SVE
10	bigfmi0.out	1	100	m	Y / N->SVE
11	bigfac0.out	0	>0	a	Y / N->SVE
12	*** bigfmaxc.out	SHRT_MAX	any	any	Y / N->BGE
13	*** bigfmi128.out	200	>100	m	Y / N->BGE
14	bigffc0.out	0	>0	f	Y / N->BGE
15	*** bigfc-1.out	-1	any	any	Y / N->BGE

any - the parameter value is irrelevant since other factors determine the outcome of the test.

*** - the buffer cannot be created. The following message should be displayed:

program name: Cannot allocate buffer.

BGE – Big Giant Error, SVE – Spec Violation Error, ECB - Error in compacting buffer, CR - crash.

Note: For tests 12, 13 and 15 if you redirect the output to a file, the file size must be 0.

Comments: