

PROGRAM 1B

Program 1B Prerequisites and References: None

Program 1B Requirements: Store and retrieve a series of n real numbers into and from a file. On entry, the program should accept integer or real numbers and store them as real numbers. The user functions to be provided by this program are as follows:

- The user enters the file name.
- The user selects either the read or write mode.
- For read, the program displays the numbers in the file, one per line.
- For write, the user enters the quantity of numbers to be recorded followed by entry of all the numbers, one at a time.

Program 1B Testing: Thoroughly test the program. As one test, enter and read one or more columns of the data in Table D5 on page 753.

TABLE D5 PASCAL OBJECT SIZE AND DEVELOPMENT HOURS

Program Number	Object LOC	New and Changed LOC	Development Hours
1	160	186	15.0
2	591	699	69.9
3	114	132	6.5
4	229	272	22.4
5	230	291	28.4
6	270	331	65.9
7	128	199	19.4
8	1657	1890	198.7
9	624	788	38.8
10	1503	1601	138.2