

## Test Cases

Test No.	Test Type	Test Description	Expected Output	Actual Output
1	Primitive	Get type of regular file	file type is REGULAR	file type is REGULAR
2	Primitive	Get type of directory	file type is DIRECTORY	file type is DIRECTORY
3	Primitive	Can't find a directory	Throws an exception	Error finding entry in the file control block. Error getting the file type. Error traversing the file system. Error. Return value was -2
4	Primitive	Open a file	An assigned file descriptor is shown	Open succeeded. File Descriptor number is 0
5	Advanced	Write to a file then read it	"HelloWorld"	The following data was read (only printable ASCII will display) HelloWorld
6	Advanced	Append a string to the end of a file	IamSparticus.NolamSparticus	The following data was read (only printable ASCII will display) IamSparticus.NolamSparticus
7	Advanced	Try to read from a deleted file	Throws an exception	Unable to find the corresponding block id. Error finding opened block id from the file open table. Error. Return value was -1
8	Advanced	Try to delete a non-empty directory	Throws an exception	Directory is not empty. Error deleting directory. Error. Return value was -5

### Test 1

- i: 1
- m: /foo, 0
- t: /foo

### Test 2

- i: 1
- m: /foo, 1
- t: /foo

**Test 3**

- i: 1
- o: /foo

**Test 4**

- i: 1
- o: /

**Test 5**

- i: 1
- m: /foo, 1
- m: /foo/bar, 0
- o: /foo/bar -> get fd
- w: fd, 0, 10, "HelloWorld"
- r: fd, 0, 10

**Test 6**

- i: 1
- m: /foo, 1
- m: /foo/bar, 0
- o: /foo/bar -> get fd
- w: fd, 0, 13, "IamSparticus."
- s: /foo/bar -> get size
- w: fd, size, 14, "NolamSparticus"
- r: fd, 0, 27

**Test 7**

- i: 1
- m: /foo, 1
- m: /foo/bar, 0
- o: /foo/bar -> get fd
- w, fd, 0, 10, "DeleteThis"
- d: /foo/bar
- r: fd, 0, 10

**Test 8**

- i: 1
- m: /foo, 1
- m: /foo/bar, 0
- d: /foo