

```
1 #include "FS.h"
2 #include <vector>
3
4 // @brief Class for all SDCard I/O function
5 class sdcardIO
6 {
7     public:
8
9     enum DirectoryEntryType
10    {
11        Directory,
12        File,
13        UNKNOWN
14    };
15    static uint8_t MountCard();
16    static uint64_t GetCardSize();
17    static uint64_t GetTotalBytes();
18    static uint64_t GetUsedBytes();
19    static uint64_t GetFreeBytes();
20
21    // @brief Class for Directory specific Methods
22    class Directory
23    {
24        public:
25        static std::vector<std::tuple<uint8_t, uint8_t, std::string,
26            size_t>> List(fs::FS &, const char *, uint8_t, uint8_t = 0);
27        static bool Create(fs::FS &, const char *);
28        static bool Remove(fs::FS &, const char *);
29    };
30
31    // @brief Class for File specific Methods
32    class File
33    {
34        public:
35        static void Read(fs::FS &, const char *);
36        static uint8_t Write(fs::FS &, const char *, const char *);
37        static uint8_t Append(fs::FS &, const char *, const char *);
38        static bool Rename(fs::FS &, const char *, const char *);
39        static bool Delete(fs::FS &, const char *);
40    };
41
42    static uint8_t ReadConstants(fs::FS &);
43 };
```