



(The above code block is formatted with newlines for readability, but the actual file doesn't contain newlines)

- The file starts with `tree <size>\0`. This is the "object header", similar to what we saw with blob objects.
- After the header, there are multiple entries. Each entry is of the form `<mode> <name>\0<sha>`.
 - `<mode>` is the mode of the file/directory (check the previous section for valid values)
 - `<name>` is the name of the file/directory
 - `\0` is a null byte
 - `<20_byte_sha>` is the 20-byte SHA-1 hash of the blob/tree (this is **not** in hexadecimal format)

You can read more about the internal format of a tree object [here](#).

Tests

The tester will use your program to initialize a new repository:

```
$ mkdir test_dir && cd test_dir
$ /path/to/your_git.sh init
```

It'll then write a tree object to the `.git/objects` directory.

It'll then run your program like this:

```
$ /path/to/your_git.sh ls-tree --name-only <tree_sha>
```

Tests failed.

Show logs