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- Line 2 (`040000 dir2 <tree_sha_2>`) indicates that `dir2` is a directory with the SHA hash `<tree_sha_2>`

- Line 3 (`100644 file1 <blob_sha_1>`) indicates that `file1` is a regular file with the SHA hash `<blob_sha_1>`

`dir1` and `dir2` would be tree objects themselves, and their entries would contain the files/directories inside them.

The `ls-tree` command

▼ Click to expand/collapse

The `git ls-tree` command is used to inspect a tree object.

For a directory structure like this:

```
your_repo/
  - file1
  - dir1/
    - file_in_dir_1
    - file_in_dir_2
  - dir2/
    - file_in_dir_3
```

The output of `git ls-tree` would look like this:

```
$ git ls-tree <tree_sha>
040000 tree <tree_sha_1>    dir1
040000 tree <tree_sha_2>    dir2
100644 blob <blob_sha_1>    file1
```

Note that the output is alphabetically sorted, this is how Git stores entries in tree object internally.

Tests failed.   Show logs