Output for the specified example:

```
avital@avital-Vostro-5468: ~/Documents/final-work/q4                    –  ⇱  ⊗

File   Edit   View   Search   Terminal   Help

avital@avital-Vostro-5468:~/Documents/final-work/q4$ mkdir dir
avital@avital-Vostro-5468:~/Documents/final-work/q4$ touch dir/a dir/b
avital@avital-Vostro-5468:~/Documents/final-work/q4$ ln -s a dir/sl
avital@avital-Vostro-5468:~/Documents/final-work/q4$ mkdir dir/sub
avital@avital-Vostro-5468:~/Documents/final-work/q4$ touch dir/sub/x
avital@avital-Vostro-5468:~/Documents/final-work/q4$ ./dir_traversal dir
D 1220679 dir
F 1209132 a
D 1220680 sub
F 1209171 x
F 1209263 b
```