Output

```
please input the directory to register
./file/
action 3 file: 62.log identifier 127.0.0.1;5550 filelen:0
action 3 file: 44.log identifier 127.0.0.1;5550 filelen:0
action 3 file: 40.log identifier 127.0.0.1;5550 filelen:0
action 3 file: 93.log identifier 127.0.0.1;5550 filelen:0
action 3 file: 97.log identifier 127.0.0.1;5550 filelen:0
```

When register, user input the directory, and then all the files in that directory would be registered

```
Do now replica all files?
y
file len[1024]
action 7 filename 81.log filelen 1024
file len[1024]
action 7 filename 81.log filelen 1024
file len[1024]
```

Also, user can choose to replica data, then we will replica to other two nodes. Totally there are three copies.

```
Please enter the file name you wanna download

47.log
get success
Now downlaod this file?
y
action 5 file: 47.log identifier  filelen:0
request to download file[47.log]
file len[1024]
```

User can choose to download a file.
Now we kill the index server(here is the index server stores the 47.log file)

```
Please enter the file name you wanna download
47.log
sock unavailable
get sock failed
get failed
now try another server
Now downlaod this file?
```

As we can see, it can detect the unavailable index system, and automatically change to another index system, and successfully find the file.