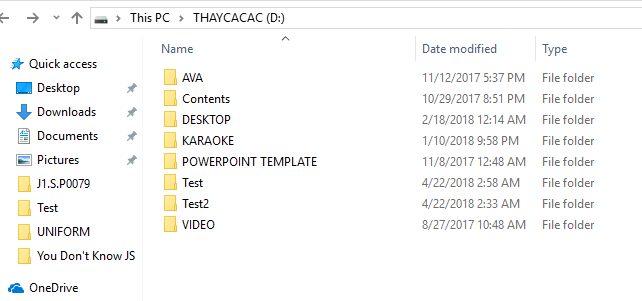
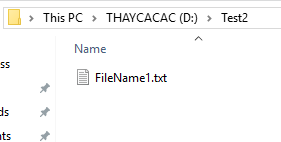
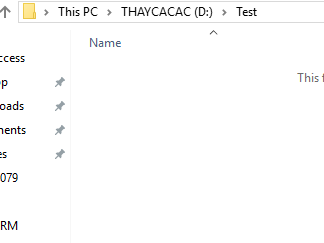
Firstly, we have:

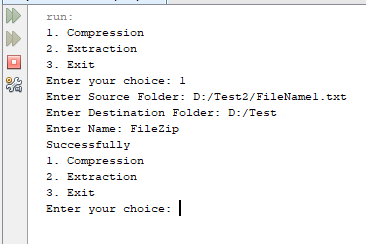


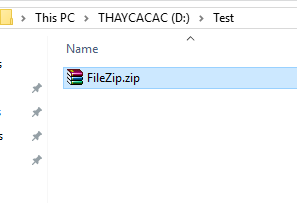


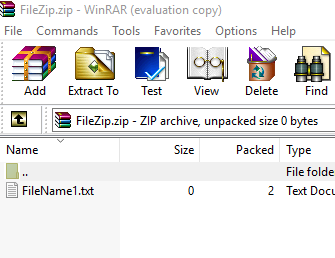


Input and run:

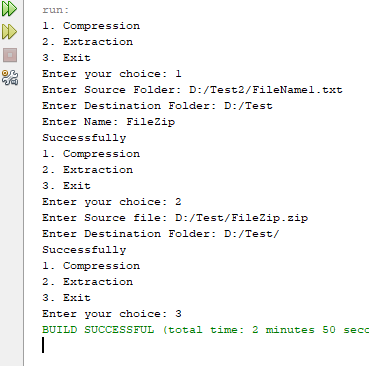
Result:







Continue input and run



Result

