**Finding the Kit Cat Burglar**

* First, navigate into the /03-student/day1/find\_kit\_cat\_burglar folder on your VM. To do this, run the following commands:
  + cd /03-student/day1/
  + cd find\_kit\_cat\_burglar
* This directory has folders for evidence gathered from Henry and Ruth.
* Within Henry and Ruth's directories are sub-directories for:
  + Emails
  + Files
  + Logs
  + Other
* To preview all the files in each of these directories and find those that can be used as evidence, you can use more, less, or head.
  + The files that contain "evidence" to provide to the authorities are:
    - /03-student/day1/find\_kit\_cat\_burglar/ruth/emails/emailA
    - /03-student/day1/find\_kit\_cat\_burglar/ruth/files/sd.txt
    - /03-student/day1/find\_kit\_cat\_burglar/henry/emails/email1
    - /03-student/day1/find\_kit\_cat\_burglar/henry/emails/email4
    - /03-student/day1/find\_kit\_cat\_burglar/henry/logs/log1
    - /03-student/day1/find\_kit\_cat\_burglar/henry/logs/log2
    - /03-student/day1/find\_kit\_cat\_burglar/henry/other/top\_secret/recipe\_for\_sugarplum
    - /03-student/day1/find\_kit\_cat\_burglar/henry/other/top\_secret/recipe\_for\_sweetums
* Next, go back to the find\_kit\_cat\_burglar directory, and make a directory called Evidence\_for\_authorities. Run the following command:
  + mkdir Evidence\_for\_authorities
* Copy all the evidence files found into this directory. To do this, run the following commands using absolute paths:
* cp /03-student/day1/find\_kit\_cat\_burglar/ruth/emails/emailA /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/ruth/files/sd.txt /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/henry/emails/email1 /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/henry/emails/email4 /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/henry/logs/log1 /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/henry/logs/log2 /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities
* cp /03-student/day1/find\_kit\_cat\_burglar/henry/other/top\_secret/recipe\_for\_sugarplum /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities

cp /03-student/day1/find\_kit\_cat\_burglar/henry/other/top\_secret/recipe\_for\_sweetums /03-student/day1/find\_kit\_cat\_burglar/Evidence\_for\_authorities

* The last step is to concatenate all the files together. Move into Evidence\_for\_authorities and run:
  + cat emailA sd.txt email1 email4 log1 log2 recipe\_for\_sugarplum recipe\_for\_sweetums > Wonka-evidence.txt

**Bonus**

* The hidden files are lp.txt, dj.txt, bb.txt and b7.txt in Ruth's files directory.
* To change the file extension from .txt to .jpg, run:
  + mv lp.txt lp.jpg
  + mv dj.txt dj.jpg
  + mv bb.txt bb.jpg
  + mv b7.txt b7.jpg
* Open the file to display the images.