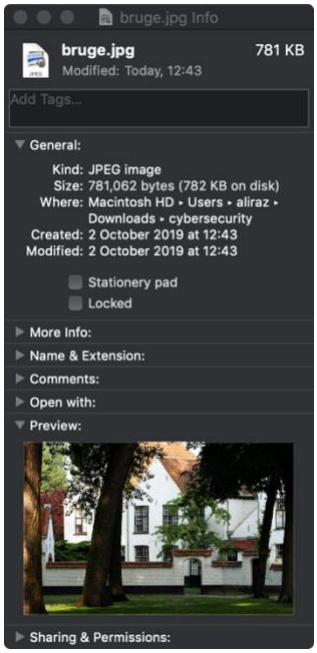
Task 1 Questions What are the filenames and file sizes for each of the *.jpg pictures discovered in image_01.dd?

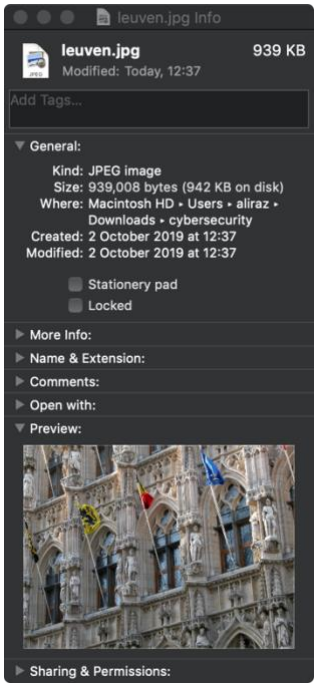
```
cybersecurity — -bash — 80×24
r/r 1-128-1:    $MFTMirr
r/r 9-128-8:    $Secure:$SDS
r/r 9-144-11:   $Secure:$SDH
r/r 9-144-5:    $Secure:$SII
r/r 10-128-1:   $UpCase
r/r 3-128-3:    $Volume
d/d 35-144-1:   private
+ r/r 40-128-1: doel.exe
+ r/r 48-128-3: key.txt
+ r/r 46-128-1: mynotes
+ -/r * 47-128-1:       key.txt
d/d 36-144-1:   public
+ d/d 37-144-1: documents
++ r/r 45-128-1:        evidence.pdf
+ d/d 38-144-1: pictures
++ r/r 41-128-1:        joyce.jpg
++ r/r 42-128-1:        leuven.jpg
++ r/r 42-128-3:        leuven.jpg:extra.txt
++ r/r 43-128-1:        lyon.jpg
++ r/r 43-128-3:        lyon.jpg:Zone.Identifier
++ -/r * 39-128-1:      bruge.jpg
++ -/r * 44-128-1:      trees.jpg
d/d 256:        $OrphanFiles
dhcp-892b1c52:cybersecurity aliraz$
```

By using the **fls -o 61 -r image_01.dd** command we can find all of the file names including the jpg files

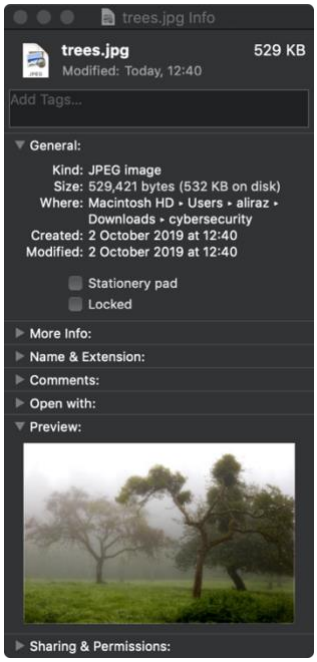
For finding the file size I extracted each one individually by icat command using the names found above. E.g. icat –o 61 image_01.dd 39 > bruge.jpg



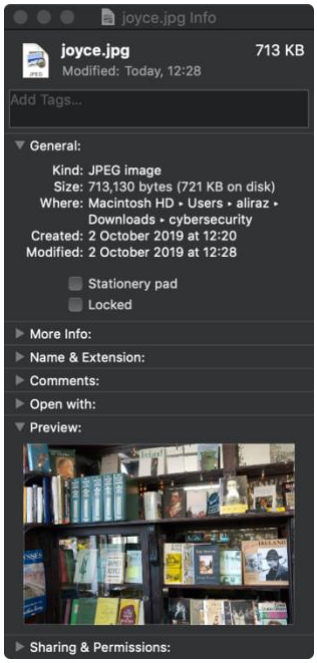
bruge.jpg has file size of 781 KB



leuven.jpg has a file size of 939 KB



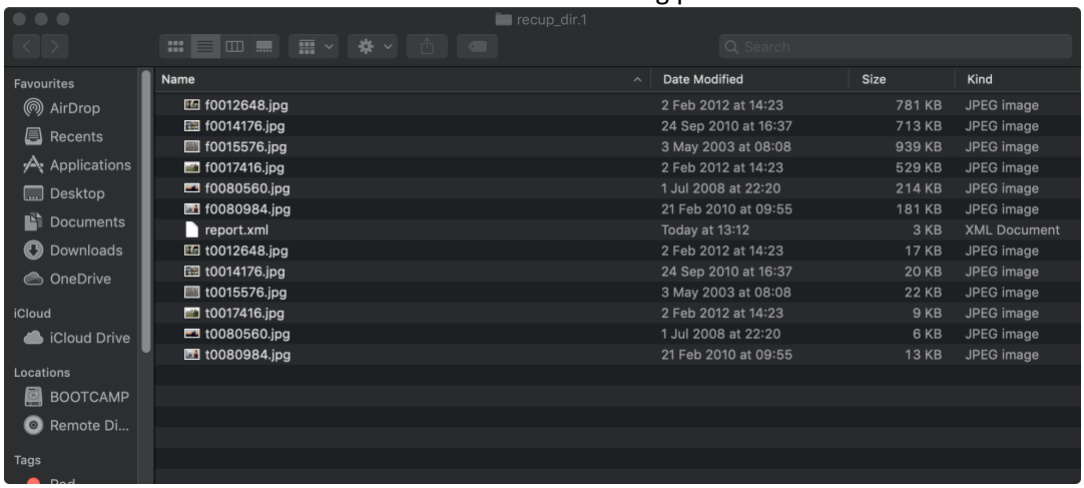
trees.jpg has file size of 529 KB



joyce.jpg has a file size of 713 KB

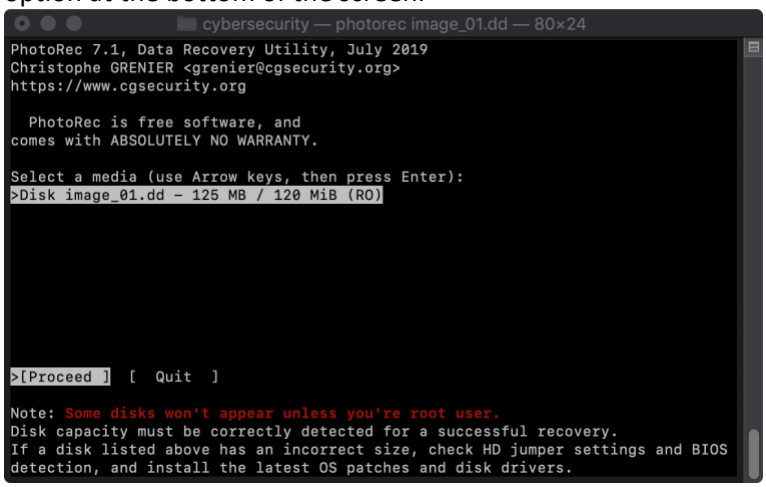
Task 2 Questions What are the filenames and file sizes for each of the *.jpg photos discovered in image_01.dd using Photorec?

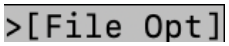
The name and the size of files that were extracted using photorec are shown in the screenshot below.



To extract photos automatically using Photorec. We first need to run the program.

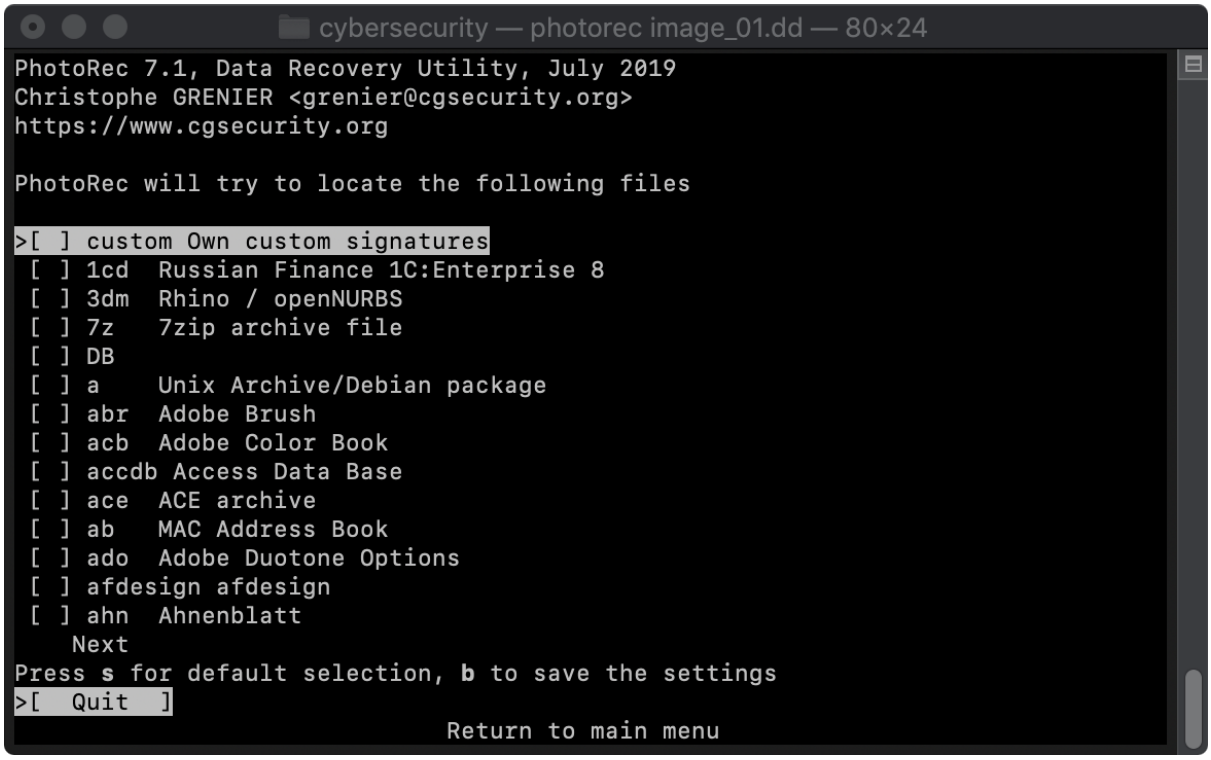
For running the program, we have to write **photorec image_01.dd** in a terminal. Then we choose the proceed option at the bottom of the screen.





Then we have to deselect the type of files that we do not need. For that we choose file opt

Then by pressing the ‘s’ we deselect all of the options and by going on jpg and pressing ‘x’ we select it and that is our desired file type. After we chose our options, we press b to save the new instructions.



Afterwards we choose a location to extract the file to by pressing ‘c’ to confirm our location.

Include a full resolution copy of the extra photo discovered using Photorec in your Word Document (i.e. not recovered using sleuthkit)