Task 1.

Utilised command: mkdir previews

And command: ls which shows the folder previews created partially.

A picture containing text

Description automatically generated

Task 2:

* To establish connection with the Raspberry Pi I utilised SHH connection.
* The first step was to grab the IP address of the device
* I first located my own wifi ipconfig, by utilising the command ipconfig in windows.
* I then used a network mapper to locate the addresses of all devices connected to the wifi network. Using the command nmap -sn ipaddress/24
* After that I set up SHH server by changing the settings of the raspberry pi
* In my windows machine I utilised shh pi@myip to set the target,
* Last step was to use password which logged me into the linux machine

Task 3:

For the start of task 3 I accidentally utilised the wrong cat command cat > Name.txt and that rewrote the file. However I changed it back using the raspberry pi system to my student ID and that can be seen as the readable output of the Name.txt file which is presented at the end.

A picture containing text

Description automatically generated