IMPORTANT: This is a JAVA program in **MacOS ONLY**! (i.e. Other OS will not be compiled and run as expected.)

Steps of starting and using NetAnalyser.

Step 1 – Extract the compressed package named as **2018212953.zip**;
Step 2 – Open _Terminal_ in your Mac;
Step 3 – Enter the following command in _Terminal_ then press enter to get to the particular directory;

```
cd directory
```

Note: The directory is the path/directory of the file, the different place the folder be stored the different directory will it has. The directory should be the exact location of the .java file you are about to compile and run.
_e.g._

```
cd /Users/zhangjiayi/Desktop/2018212953/Task1
```

Step 4 – Set the directory as Task1, enter the following command in _Terminal_ then press enter to compile the NetAnalyser of Task 1;

```
javac NetAnalyser.java
```

Step 5 – After compiling, enter the following command in _Terminal_ then press enter to start the NetAnalyser of Task 1;

```
java NetAnalyser
```

Step 6 – After entering the command, a GUI should appear just like Fig.1;

Fig.1

Step 7 – Left click the text field where has the same location with green box in Fig.1 then enter the URL you want to ping;
Step 8 – Left click the place of No. of probes selection box (blue arrow) in Fig.1 then select the number of probes you want to set;
Step 9 – Left click the **Process** button, the result and histogram will show appear at the righthand area;
Note: The larger probes select, the longer time it will takes to ping.

Step 10 – Close the GUI will automatically terminate the program.

If you want to start and use the NetAnalyser in Task 2 you just need to change the directory to Task2 and do almost the same as above.
Except Step – 5, instead of entering the command as above you need to enter the following command so that can run the program as expected. The **probesNo** is an integer between 10 to 20 (inclusive). Which is a command line argument meaning the maximum number of probes can be provided.

<div align="center">

`java NetAnalyser` **`probesNo`**

</div>

e.g.

<div align="center">

`java NetAnalyser 15`

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If you want to start and use the NetAnalyser in ExtraCredit you just need to change the directory to ExtraCredit and the same as Task2.
Note: Especially, in Task2 and ExtraCredit. The RTT result will be saved as .txt file everytime in the same directory as you run it. Shown in Fig.2.
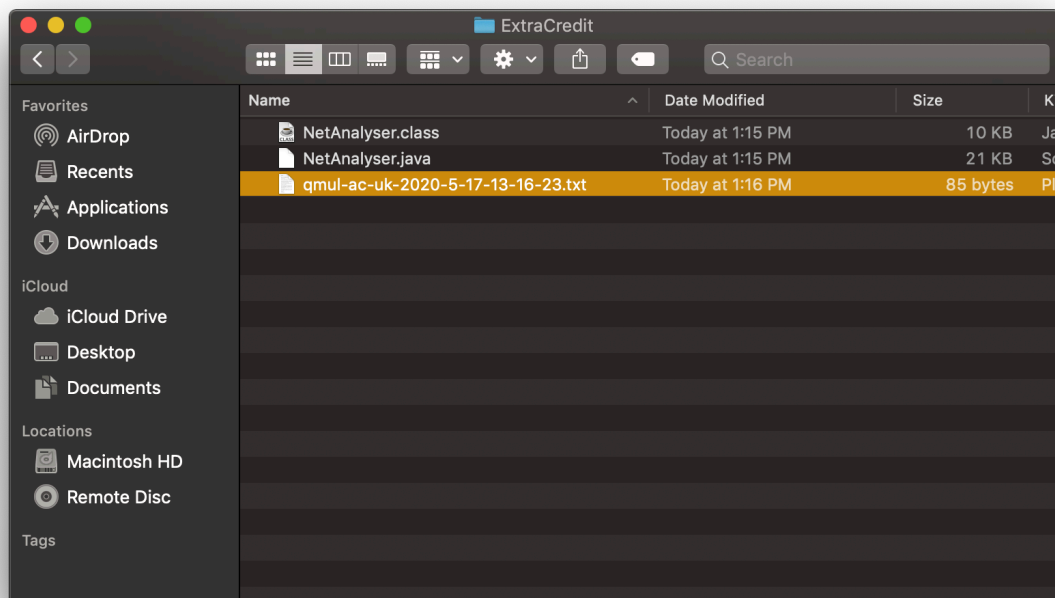
<div align="center">Fig.2</div>