

-----README-----

Please follow the steps to run the program :

Step 1 : Check whether Java is installed in your PC

-> Go to command prompt, type `java -version`

If it returns the value with java version > 1.6, continue with the following Steps, else download JDK 1.8 and continue with Step 1.

```
C:\Users\Sumit>java -version
java version "1.8.0_111"
Java(TM) SE Runtime Environment (build 1.8.0_111-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.111-b14, mixed mode)
```

Step 2 : Download the zip file and paste all the files in a specific folder. For example, I have pasted all the 7 files in the following folder :

C:\Users\Sumit\git\IP_Task2\Task1\src

Step 3 : Go to command prompt, and change the directory to where you have downloaded the files.

```
C:\Users\Sumit>cd C:\Users\Sumit\git\IP_Task2\Task1\src
```

Step 4 : Compile all the 7 files present in this directory using "`javac`", followed by the FileName.java

```
C:\Users\Sumit>java -version
java version "1.8.0_111"
Java(TM) SE Runtime Environment (build 1.8.0_111-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.111-b14, mixed mode)

C:\Users\Sumit>cd C:\Users\Sumit\git\IP_Task2\Task1\src

C:\Users\Sumit\git\IP_Task2\Task1\src>javac CreateFolderForIP_Project1.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac RegistrationServer.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer0.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer1.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer2.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer3.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer4.java
C:\Users\Sumit\git\IP_Task2\Task1\src>javac Peer5.java
C:\Users\Sumit\git\IP_Task2\Task1\src>
```

Please note that this step only compiles the code and creates .class files for all the seven files.

Step 5 : In order to create the folders in the directory, please run the following command :

Kindly enter `java CreateFolderForIP_Project1` in the command prompt

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java CreateFolderForIP_Project1
C:\Users\Sumit\git\IP_Task2\Task1\src
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer0---true
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer1---true
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer2---true
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer3---true
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer4---true
C:\Users\Sumit\git\IP_Task2\Task1\src\Peer5---true
C:\Users\Sumit\git\IP_Task2\Task1\src\TimeCalculations---true
```

Please note that all the values should be true, which indicates that the respective folders have been created in the system.

Step 6 : Place the required RFC files in the folders created in the same directory.

Note : If you don't place any files in the folder, there won't be any files present to transfer between peers.

Step 7 : Run the RegistrationServer using command :

`Java RegistrationServer`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java RegistrationServer
```

Step 8 : Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer0`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer0
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```

Step 9: Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer1`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer1
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```

Step 10 : Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer2`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer2
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```

Step 11 : Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer3`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer3
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```

Step 12 : Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer4`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer4
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```

Step 13 : Open another command prompt, change the directory to the respective directory where all the files are present and run Peer0 using command : `java Peer5`

```
C:\Users\Sumit\git\IP_Task2\Task1\src>java Peer5
Local RFC Index[]
Do you want to register with Registration Server ?, type Y if you want to proceed
```