

## How to compile/run on Linux:

1. Change directory to project directory `cd Edmondson_Cameron_CS4600p2`
2. Compile: `javac <class name>`
3. Run: `java <class name>`

```
root@kali: ~/Edmondson_Cameron_CS4600p2
root@kali:~/Edmondson_Cameron_CS4600p2# ls
total 144K
-rwxrwxrwx- 1 root root 2.2K Apr 18 13:19 Keys.java
-rwxrwxrwx- 1 root root 1.3K Apr 18 22:21 RSAEncrypt.java
-rwxrwxrwx- 1 root root 2.4K Apr 18 22:21 FileHandler.java
-rwxrwxrwx- 1 root root 4.2K Apr 18 22:21 RSAKeyGen.java
-rwxrwxrwx- 1 root root 1.9K Apr 18 22:21 ArgumentHandler.java
-rwxrwxrwx- 1 root root 1.3K Apr 18 22:21 RSADecrypt.java
-rwxrwxrwx- 1 root root 25 Apr 18 23:17 address.txt
-rwxrwxrwx- 1 root root 128 Apr 18 23:28 address.enc
-rwxrwxrwx- 1 root root 25 Apr 18 23:28 dec_address.txt
-rwxrwxrwx- 1 root root 66K Apr 18 23:29 'Windows Compile.PNG'
drwxr-xr-x 4 root root 4.8K Apr 18 23:31 -
-rwxrwxrwx- 1 root root 1.3K Apr 18 23:34 ArgumentHandler.class
-rwxrwxrwx- 1 root root 1.2K Apr 18 23:34 Keys.class
-rwxrwxrwx- 1 root root 2.1K Apr 18 23:34 FileHandler.class
-rwxrwxrwx- 1 root root 1.4K Apr 18 23:34 RSAEncrypt.class
-rwxrwxrwx- 1 root root 1.4K Apr 18 23:34 RSADecrypt.class
-rwxrwxrwx- 1 root root 2.3K Apr 18 23:34 RSAKeyGen.class
-rwxrwxrwx- 1 root root 259 Apr 18 23:35 keys.dat
drwxrwxrwx 2 root root 4.8K Apr 18 23:37 -
root@kali:~/Edmondson_Cameron_CS4600p2# javac ArgumentHandler.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# javac Keys.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# javac FileHandler.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# javac RSADecrypt.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# javac RSAEncrypt.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# javac RSAKeyGen.java
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# java RSAEncrypt /root/Desktop/Edmondson_Cameron_CS4600p2/keys.dat
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# java RSADecrypt /root/Desktop/Edmondson_Cameron_CS4600p2/address.txt /root/Desktop/Edmondson_Cameron_CS4600p2/keys.dat
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
root@kali:~/Edmondson_Cameron_CS4600p2# cat dec_address.txt
This is a secret message!
```

## How to compile/run on Windows:

1. Change directory to project directory `cd Edmondson_Cameron_CS4600p2`
2. Compile: `javac <class name>`
3. Run: `java <class name>`

```
Command Prompt
C:\Users\edmon\Edmondson_Cameron_CS4600p2>dir
Volume in drive C: has no label.
Volume Serial Number is 50F8-6739

Directory of C:\Users\edmon\Edmondson_Cameron_CS4600p2

04/18/2020 11:18 PM <DIR> .
04/18/2020 11:18 PM <DIR> ..
04/18/2020 11:21 PM 128 address.enc.txt
04/18/2020 11:17 PM 25 address.txt
04/18/2020 11:11 PM 1,289 ArgumentHandler.class
04/18/2020 10:21 PM 1,898 ArgumentHandler.java
04/18/2020 11:24 PM 25 dec_address.txt
04/18/2020 11:11 PM 2,114 FileHandler.class
04/18/2020 10:21 PM 2,446 FileHandler.java
04/18/2020 11:11 PM 1,179 Keys.class
04/18/2020 11:20 PM 259 keys.dat
04/18/2020 01:19 PM 2,153 Keys.java
04/18/2020 11:11 PM 1,385 RSADecrypt.class
04/18/2020 10:21 PM 1,303 RSADecrypt.java
04/18/2020 11:12 PM 1,384 RSAEncrypt.class
04/18/2020 10:21 PM 1,292 RSAEncrypt.java
04/18/2020 11:12 PM 2,258 RSAKeyGen.class
04/18/2020 10:21 PM 4,228 RSAKeyGen.java
04/18/2020 10:21 PM 18 file(s)
2 Dir(s) 566,893,797,376 bytes free

C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac ArgumentHandler.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac FileHandler.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac Keys.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac RSADecrypt.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac RSAEncrypt.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>javac RSAKeyGen.java
C:\Users\edmon\Edmondson_Cameron_CS4600p2>java RSAKeyGen C:\Users\edmon\Edmondson_Cameron_CS4600p2\keys.dat
C:\Users\edmon\Edmondson_Cameron_CS4600p2>java RSAEncrypt C:\Users\edmon\Edmondson_Cameron_CS4600p2\address.txt C:\Users\edmon\Edmondson_Cameron_CS4600p2\keys.dat
C:\Users\edmon\Edmondson_Cameron_CS4600p2>java RSADecrypt C:\Users\edmon\Edmondson_Cameron_CS4600p2\address.txt C:\Users\edmon\Edmondson_Cameron_CS4600p2\dec_address.txt C:\Users\edmon\Edmondson_Cameron_CS4600p2\keys.dat
C:\Users\edmon\Edmondson_Cameron_CS4600p2>type dec_address.txt
This is a secret message!
C:\Users\edmon\Edmondson_Cameron_CS4600p2>
```

