

Experiment 8

Output:

```
student@student-Vostro-3800: ~/Desktop
File Edit View Search Terminal Help
student@student-Vostro-3800:~$ cd Desktop
student@student-Vostro-3800:~/Desktop$ ls
mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$ mkdir A
student@student-Vostro-3800:~/Desktop$ mkdir B
student@student-Vostro-3800:~/Desktop$ ls
A B mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$
```

```

s  Terminal  Thu 14:04
student@student-Vostro-3800: ~/Desktop/A
File Edit View Search Terminal Help
student@student-Vostro-3800:~/Desktop/A$

student@student-Vostro-3800: ~/Desktop/B
File Edit View Search Terminal Help
student@student-Vostro-3800:~/Desktop/B$

s  Terminal  Thu 14:03
student@student-Vostro-3800: ~/Desktop/A
File Edit View Search Terminal Help
student@student-Vostro-3800:~$ clear

student@student-Vostro-3800:~$ cd Desktop
student@student-Vostro-3800:~/Desktop$ ls
mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$ mkdir A
student@student-Vostro-3800:~/Desktop$ mkdir B
student@student-Vostro-3800:~/Desktop$ ls
A B mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$ cd A
student@student-Vostro-3800:~/Desktop/A$

student@student-Vostro-3800: ~
File Edit View Search Terminal Help
student@student-Vostro-3800:~$
```

```
s Thu 14:04
student@student-Vostro-3800: ~/Desktop/A
File Edit View Search Terminal Help

student@student-Vostro-3800:~$ clear

student@student-Vostro-3800:~$ cd Desktop
student@student-Vostro-3800:~/Desktop$ ls
mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$ mkdir A
student@student-Vostro-3800:~/Desktop$ mkdir B
student@student-Vostro-3800:~/Desktop$ ls
A B mc 'py rep.pdf' 'python final ppt(1).pptx'
student@student-Vostro-3800:~/Desktop$ cd A
student@student-Vostro-3800:~/Desktop/A$

File Edit View Search Terminal Help
student@student-Vostro-3800:~/Desktop/A$ openssl genrsa -out keypairA.pem 2048
Generating RSA private key, 2048 bit long modulus (2 primes)
.....+++++
e is 65537 (0x010001)
student@student-Vostro-3800:~/Desktop/A$ cat keypairA.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAUv64ey4IuJbX9XUk/rpEK5sd8X55ZhwMRZgHnJ8wAeCoJ7xih3cv4ktIAy7DNk8PMReJYLdN0dJyaw3GM3FIdgFz1K3dnKr9yf2X8I93cryS
KVUdlS+JfOn0Rrxqg96q2Q91xf1KPKfDsDNYfUcVd8xj5w0gqV2k25gQpJ33T1a/
usy9JexKXNB4t0C60+EfC8x8hJzwDjse9oEpaHf7EIAktPZ0KznHsm03eyLdc5/
blzcrKT6uu05JPXu+d727BorIpbV07YA1j9p15xTVJ11zBHOq1rNhPPh6pR511L
ZRuc7F5h8L3SBCuZPKdz9Y/hbnuTwwYAW7CoxwIDAQABAoIABABzMsJDCuclw2TC
orrIqa0sNRATEU++ledq6V27xXpFD1ZyG0i+TZacc1xUW3xFi+xM/euKB2B9PN
Q/2J6E85vG5J3vtf07F61qLUcNwplY3G2Y8iRkTPKBMNVhwF/IV8ZMLQehXGonAG
DJVBHPBBbDF1kDMROQ/XMrPDtMktT9VL9/UHTns/jyzIZWe1AYyeNUK47yP8y87
QxYXXCIxIJSgphH/PjgesXT/fef19Nk+lbwmcPcRLQaByIPJpnL+yYtkuuh12nQ08
5PpEPu4kivxUoK1fuLTwH4RaEV+6XFBMCCG3I297kcten+re07QRuFON9Lb58NHL
JMZ9MLEcgyEA2nuz+js0EV7BRaoAEmbhU07qG2LxNeGeSAXK8963F/UI48AJTcQk
BZXVR0d17nM4d7IIS5TJW7DeRCgeCgU17DrRVqu1bh4/ONoqZHR0dXgVAQvX7
c/ut+u4ZIZxGpZPxcLcucbz7hesj10xdumIDSI/W5mYDgHV/2Nn+E0CgYEA2TnL
F+o/RfYn6REMj9MzN5qK3CgWUf9LmZnNoyDQec1QY8l15JnHavLznzrZuDomYzoJ
PTJNIf6hSLw9CsqalRESbLtS0w2cp0Ti7hfZ7wDQZSblq58tPvtVPSNL4YfVCTN
wZjyN/EbuZJlq0vbcgmftisBE0VDLHGf8F5beVsCgYEA0ypoo1v1uZVfB15BFAn
i3j3DLJERN2Ry+ulzfDezm+Ybff0p2MBpdxRTRk27aazVKShiakQ+MBKEYLLVMrP
o2TLf0iJ5hNtNJK7VA6WJ4SPULSEnvtsPodTW5MURnoN8a+fsCtXQRw3dIMG4m5
00MvWfJv5KsncDJAeQKVBBKcgYBTCVoJxY1BFwvchvu4ch/5n5JYKp814XF5Uib
/yyJK0BSWuyVQ0xZJKGrycepU9nFL43ern9ckrtY8WC14qIEvrUbiPvEH/yt8a9X
a45V20Qna0f8WGLm0jW0UBVN4nnRwnYzxmQ7Znq7nGNwFIUL1nnTBSRQA8BTFrg
C0LPZwKBgQC/sRnH+V9hI/OeuhH8SLDysJhxxkhpA+UEQCqJp17dx3WesFGg96g
nCDhj3nB8IdEKv3k2T7Xymh40BXYT0IE8gTCRE1EQ50xpxCIgwFpBwMmNb2777TV
t2nF+p5LuL+y7na14z+k9n/HhQDxjJRTp3mdxuIPp2zrbQhu3XldiQ==
-----END RSA PRIVATE KEY-----

student@student-Vostro-3800:~/Desktop/A
File Edit View Search Terminal Help
F+o/RfYn6REMj9MzN5qK3CgWUf9LmZnNoyDQec1QY8l15JnHavLznzrZuDomYzoJ
PTJNIf6hSLw9CsqalRESbLtS0w2cp0Ti7hfZ7wDQZSblq58tPvtVPSNL4YfVCTN
wZjyN/EbuZJlq0vbcgmftisBE0VDLHGf8F5beVsCgYEA0ypoo1v1uZVfB15BFAn
i3j3DLJERN2Ry+ulzfDezm+Ybff0p2MBpdxRTRk27aazVKShiakQ+MBKEYLLVMrP
o2TLf0iJ5hNtNJK7VA6WJ4SPULSEnvtsPodTW5MURnoN8a+fsCtXQRw3dIMG4m5
00MvWfJv5KsncDJAeQKVBBKcgYBTCVoJxY1BFwvchvu4ch/5n5JYKp814XF5Uib
/yyJK0BSWuyVQ0xZJKGrycepU9nFL43ern9ckrtY8WC14qIEvrUbiPvEH/yt8a9X
a45V20Qna0f8WGLm0jW0UBVN4nnRwnYzxmQ7Znq7nGNwFIUL1nnTBSRQA8BTFrg
C0LPZwKBgQC/sRnH+V9hI/OeuhH8SLDysJhxxkhpA+UEQCqJp17dx3WesFGg96g
nCDhj3nB8IdEKv3k2T7Xymh40BXYT0IE8gTCRE1EQ50xpxCIgwFpBwMmNb2777TV
t2nF+p5LuL+y7na14z+k9n/HhQDxjJRTp3mdxuIPp2zrbQhu3XldiQ==
-----END RSA PRIVATE KEY-----
student@student-Vostro-3800:~/Desktop/A$ ^C
student@student-Vostro-3800:~/Desktop/A$ openssl rsa -in keypairA.
pem -text RSA Private-Key: (2048 bit, 2 primes)
bash: syntax error near unexpected token '('
student@student-Vostro-3800:~/Desktop/A$ openssl rsa -in keypairA.
pem -text RSA Private-Key:
rsa: Use -help for summary.
student@student-Vostro-3800:~/Desktop/A$ openssl rsa -in keypairA.
pem -text RSA Private-Key: (2048 bit, 2 primes)
bash: syntax error near unexpected token '('
student@student-Vostro-3800:~/Desktop/A$ openssl rsa -in keypairA.
pem -text RSA Private-Key: 2048 bit, 2 primes
rsa: Use -help for summary.
student@student-Vostro-3800:~/Desktop/A$ -help
Command '-help' not found, did you mean:
    command 'dhelp' from deb dhelip
Try: sudo apt install <deb name>
student@student-Vostro-3800:~/Desktop/A$ openssl rsa -in keypairA.
pem -pubout -out publicA.pem
writing RSA key

student@student-Vostro-3800:~/Desktop/B
File Edit View Search Terminal Help
student@student-Vostro-3800:~/Desktop/B$
student@student-Vostro-3800:~/Desktop/B$ openssl genrsa -out keypairB.pem 2048
Generating RSA private key, 2048 bit long modulus (2 primes)
.....+++++
e is 65537 (0x010001)
student@student-Vostro-3800:~/Desktop/B$ cat keypairB.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEA8zfc0QXbef0i3wpzYLYK4A6PASfZJ2LAMA5MrKYEsNGpdX4z
/sntD+cdvBddnnbjDMehbPc/8PXyxt8Q002vIvhiVRW02LiPqSnmS1611EtE5h+R
tdm6+/EaLgwuM0yhclS5sa90h0d4dTWq00Pfc2sJryxokOhd3Lh8DW1vsYsECP2v
VL2lUQ3CtzcjY180y2AcGlycoRl7v8lGQF3gwyUxoC0WAnqQFRN8ez89NCm6ZC+
r5FDPcZpv0B0DRmY66cZqvQLQY042LdJdNpVjkrDofr57a3FCXuAYTzPt6RpFRAO
ttLTWu2K8av6Gkry/CphNbM8boY3kdz+psLpCQIDAQABAoIABAC3cZNDfB/ty1k6E
o/kKmsZh0GoYKqS13hsAKQktTRkiJ/gcQ+W5oFArvpnmNkoZVPSL7M2JWg9P8XW6
vLBSP8F77x7oNu/e7YgSj6k+br8XamiSb2GBKxczAaLJPTSQimi+InAMpUzvr2o6
slz2jJcVceZx30fmsTzdtPC7QCKUHLXsVjootwoPE+Zc1TyXUPaHgsWIGS0xBSU
anVC0LTBKzMG0/qUfhrDqMoVdCLCoAFBRN6cx93zljcLE00PqMnbt9pK1GVXNk
1mCaTxsLuWxn7Xo35IKumsjYnOPs7+gqKHkiYo//8PgpAjqsz2dVuzTeL+5IP0cj
Iz8KcxkCgYEA/VTqNgqHpFM/hlaBKCJzNI9i9+7nrqeoNt9g5vzTT+8pIVjDZdxo
44mVcW40uUVAie5+oi6FgHh21BLHxWlQYmhotFUEC95CBIZLycUCGSQdKQJfagx
TdhIrvRs7KLz0aEBWfe/cod0Ba9H60eEwz7EEjbj9SEWPSN0zEQEVMCgYEA9cet
eBv71x7MHS0m928KN32A5JbnDvo080y4ubtLIiCilAnKfMfJQwZLkX5H+XyvtbZ
ljhLDAN6K+XC/KigXQ0+LfrCRXNZMFLXeL8o49HHqKQuFvWITws2VhQ8g88r/C
sFrmXq9Udri9/5ln7BILs0SiI83/1T0P1ccIhLMCgYEAoejJoCxusOm76eNnH6X
vvn9lPSaPiI/DkcV8Uy0R3LrdJrYAJuyMhAB8BwJ60B/1Sgmq0UMcLWL3NL79v1
L9m9f7B8CPEU5KecjPBVCmkrokDNCBNJobcgDSANJEok67RQ0jVYe1/X+ocfjMU6
0XBmZ4YJpg3XYH9KQJxU5p0CgYBh9ntma4DMFDI12XStiUwBIwLXx9oEMC6jBDB
btZIUx/MP80QJbUQbup1tVeJJw/c12eRPQG+Y0RmCoTU06m6aKukZT11W/Y2nFUG
PlmCrtAZWdgyZ/TH96SQd3D0mvHvrg3iS9hVFHNDUQEGssqg2a1dHdLGSbdZfBp
i5IRKQKBgQCyl7c04c6IowhgIWJlFHFpPAVF898DLtSSjuFAWGFxg3eZvKmk0Bw
Obqe6PBuQ+QzW5/IOGRFTZm2aYXJ8vMLCtiGnk50hr7aTo/4p/7MWzwt0IMdbfE
+tv8/oo0ghQsTMRFGHmw/Oek3RZc4L681uqWLSjif1BGH4Ywq0PQ0==
-----END RSA PRIVATE KEY-----

student@student-Vostro-3800:~/Desktop/B
File Edit View Search Terminal Help
.....+++++
e is 65537 (0x010001)
student@student-Vostro-3800:~/Desktop/B$ cat keypairB.pem
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEA8zfc0QXbef0i3wpzYLYK4A6PASfZJ2LAMA5MrKYEsNGpdX4z
/sntD+cdvBddnnbjDMehbPc/8PXyxt8Q002vIvhiVRW02LiPqSnmS1611EtE5h+R
tdm6+/EaLgwuM0yhclS5sa90h0d4dTWq00Pfc2sJryxokOhd3Lh8DW1vsYsECP2v
VL2lUQ3CtzcjY180y2AcGlycoRl7v8lGQF3gwyUxoC0WAnqQFRN8ez89NCm6ZC+
r5FDPcZpv0B0DRmY66cZqvQLQY042LdJdNpVjkrDofr57a3FCXuAYTzPt6RpFRAO
ttLTWu2K8av6Gkry/CphNbM8boY3kdz+psLpCQIDAQABAoIABAC3cZNDfB/ty1k6E
o/kKmsZh0GoYKqS13hsAKQktTRkiJ/gcQ+W5oFArvpnmNkoZVPSL7M2JWg9P8XW6
vLBSP8F77x7oNu/e7YgSj6k+br8XamiSb2GBKxczAaLJPTSQimi+InAMpUzvr2o6
slz2jJcVceZx30fmsTzdtPC7QCKUHLXsVjootwoPE+Zc1TyXUPaHgsWIGS0xBSU
anVC0LTBKzMG0/qUfhrDqMoVdCLCoAFBRN6cx93zljcLE00PqMnbt9pK1GVXNk
1mCaTxsLuWxn7Xo35IKumsjYnOPs7+gqKHkiYo//8PgpAjqsz2dVuzTeL+5IP0cj
Iz8KcxkCgYEA/VTqNgqHpFM/hlaBKCJzNI9i9+7nrqeoNt9g5vzTT+8pIVjDZdxo
44mVcW40uUVAie5+oi6FgHh21BLHxWlQYmhotFUEC95CBIZLycUCGSQdKQJfagx
TdhIrvRs7KLz0aEBWfe/cod0Ba9H60eEwz7EEjbj9SEWPSN0zEQEVMCgYEA9cet
eBv71x7MHS0m928KN32A5JbnDvo080y4ubtLIiCilAnKfMfJQwZLkX5H+XyvtbZ
ljhLDAN6K+XC/KigXQ0+LfrCRXNZMFLXeL8o49HHqKQuFvWITws2VhQ8g88r/C
sFrmXq9Udri9/5ln7BILs0SiI83/1T0P1ccIhLMCgYEAoejJoCxusOm76eNnH6X
vvn9lPSaPiI/DkcV8Uy0R3LrdJrYAJuyMhAB8BwJ60B/1Sgmq0UMcLWL3NL79v1
L9m9f7B8CPEU5KecjPBVCmkrokDNCBNJobcgDSANJEok67RQ0jVYe1/X+ocfjMU6
0XBmZ4YJpg3XYH9KQJxU5p0CgYBh9ntma4DMFDI12XStiUwBIwLXx9oEMC6jBDB
btZIUx/MP80QJbUQbup1tVeJJw/c12eRPQG+Y0RmCoTU06m6aKukZT11W/Y2nFUG
PlmCrtAZWdgyZ/TH96SQd3D0mvHvrg3iS9hVFHNDUQEGssqg2a1dHdLGSbdZfBp
i5IRKQKBgQCyl7c04c6IowhgIWJlFHFpPAVF898DLtSSjuFAWGFxg3eZvKmk0Bw
Obqe6PBuQ+QzW5/IOGRFTZm2aYXJ8vMLCtiGnk50hr7aTo/4p/7MWzwt0IMdbfE
+tv8/oo0ghQsTMRFGHmw/Oek3RZc4L681uqWLSjif1BGH4Ywq0PQ0==
-----END RSA PRIVATE KEY-----
student@student-Vostro-3800:~/Desktop/B$ openssl rsa -in keypairB.pem -pubo
ut -out publicB.pem
writing RSA key
student@student-Vostro-3800:~/Desktop/B$
```

```
student@student-Vostro-3800: ~/Desktop/A
File Edit View Search Terminal Help
/yyJKOBsWuyVQ0xZJKGrycepU9nfl43ern9ckrtY8WCI4qIEvrUblpYeh/yt8a9X
a45V20Qna0f8WGLn0jW0uBvN4mnRwnYzxmQ7zNq7nGNwFIU11nmTBSRQA8BtFrg
C0LPZWKBgQC/sRHN+V9hI/0euHu8SLDysJhxxkh6pA+UEQCqJpL7dx3WESFg9g6
nCDhJ3nB8idEKv3k2T7Xymh40BXY0IE8gTCRE1EQ5oxpxCIGwfPBWmNb2777TV
t2nF+p5LuL+y7na14z+k9n/HhQ0xJjRTp3mdxuIPp2zrbQhu3XldlQ==
-----END RSA PRIVATE KEY-----
student@student-Vostro-3800:~/Desktop/AS ^C
student@student-Vostro-3800:~/Desktop/AS openssl rsa -in keypairA.
pem -text RSA Private-Key: (2048 bit, 2 primes)
bash: syntax error near unexpected token `('
student@student-Vostro-3800:~/Desktop/AS openssl rsa -in keypairA.
pem -text RSA Private-Key:
rsa: Use -help for summary.
student@student-Vostro-3800:~/Desktop/AS openssl rsa -in keypairA.
pem -text RSA Private-Key: (2048 bit, 2 primes)
bash: syntax error near unexpected token `('
student@student-Vostro-3800:~/Desktop/AS openssl rsa -in keypairA.
pem -text RSA Private-Key: 2048 bit, 2 primes
rsa: Use -help for summary.
student@student-Vostro-3800:~/Desktop/AS -help
Command '-help' not found, did you mean:
  command 'dhelp' from deb dhelpt
Try: sudo apt install <deb name>
student@student-Vostro-3800:~/Desktop/AS openssl rsa -in keypairA.
pem -pubout -out publicA.pem
writing RSA key
student@student-Vostro-3800:~/Desktop/AS ls
keypairA.pem publicA.pem
student@student-Vostro-3800:~/Desktop/AS gedit msgA.txt
student@student-Vostro-3800:~/Desktop/AS cat msgA.txt
This is the message from A to B
Hi B how are you ?

student@student-Vostro-3800:~/Desktop/B
File Edit View Search Terminal Help
/snt0+cdvBddnnbJdMeHbPc/8PXyxt8QQ02vIVhIVRw02LlPqSnmSL611EtEsh+R
tdm6+/EaLgwuM0yhclSysa90hd4dTWq00PFc2sJ3yxok0hd3Lh8DW1vsYsECP2v
vL2lQU3CtzcjY180y2AcGlycoRL7v81GQf3gwyUxoC0WAnqWQFrN8ezB9NCm6ZC+
r5fDPCZpv0B0DRmY66cZqvQlQY042LDJ0nPvjkrDofr57a3FCXuayTzPt6RpFRAo
ttlTLWu2KBav6Gkry/CpHnbM8boY3kdz+psLpCQIDAQABaoIBAC3czNDFb/ty1k6E
o/kMnsZHoGoYKqS13hsAK0ktTRkiJ/gcQ+H50fArvpmnNkoZVPsL7M2Jg9P8XW6
vLBSP8F77x70Nu/e7YgSj6k+br8XamLSb2GBKxczAaLJPT5Qimi+InaMpUzvr2o6
slz2JJCvCezX30fmsTzDTPC7QCkuHBLXsVjootWoPE+Zc1TyXUPaHgsWIGS0xBSU
anVC0LTBKZMJG0/qUfhrDqMoVdLCoaFBRN6cx93zjclE00PqMeNbt9pK1GVXNk
1mCaTxiuWxn7Xo35IKumsjYn0Ps7+gqKHKIyO//8PgPaJqs22dVuZTEl+5IP0cj
Iz8KcxkCgYEA/VTqNgqHpFM/hiaBKcjZNI9i9+7nrqeoNt9g5vzTT+8pIVjDzdxo
44nVcW40uUvAie5+oi6FgHh21BLHXWlQYMhotFUEcr5CBIZlycuCGS0dKQJfaxg
TdhIrvIRs7KLZ0aEBWfe/cod0Ba9H60eEwz7EEjbJ9SEWPSN0ZEqEVMCgYEA9cet
eBv71x7MHS0M928KN32A5JbnDvo0o8Qy4ubtLiClanKfmfJQwZLkX5H+XybTbZ
LjhIdAN6K+XC/KIGXQ0+lfRCrXNZMfLxeL8o49HHqkQuFvWITws25VhQg88r/C
sFrmXq9UdrI9/5ln7BILs0sIiB3/1T0P1ccIhLMcGYEAoejJoCxsu0n76eNmHN6X
vvn9iPSaApiI/DkcV8UY0R3LrdJrYAJuyMHAB8bwj60B/15gmq0UMciWL3NL79v1
L9mf7BGCPeU5KecjPBKcmkrokDNBNJobcGDSANJJoK67RQoJvVe1/X+OcfjMU6
0XBmZ4YJpG3XYH9kQJxU5p0CgYB9Ntma4DMFDI1zXstUwB1bwLXx9oEMC6JBD
btZlIUX/MP80QJbUQBupITVeJjw/c12eRPQG+Y0RmCoTU06m6aKukZ1Iw/Y2nFUG
PlmCtRAZwDgyZ/TH96S0d3D0mHvrg3iS9hVfHwNdUQEGssqg2a1dHdJgSbdziBp
i5IRkQK8GQCyI7c04c6IowhgIwJlFHFpAvf898DLtSSjufAANGFXg3eZVkmK0Bw
ObQe6PBuQ+QzW5/IOGRFTzML2aYXJ8VWLCiGnk50Hr7ato/4p/7Mvzw0tIMDbfE
+tv8/oo0ghQsTMRFGHmw/Oek3RZc4L681uqWLSjlfIIBGH4YwQp0Q0==
-----END RSA PRIVATE KEY-----
student@student-Vostro-3800:~/Desktop/B$ openssl rsa -in keypairB.pem -pubo
ut -out publicB.pem
writing RSA key
student@student-Vostro-3800:~/Desktop/B$ ls
keypairB.pem publicB.pem
student@student-Vostro-3800:~/Desktop/B$ gedit msgB.txt
student@student-Vostro-3800:~/Desktop/B$ cat msgB.txt
This is the message from B to A
A how are you ?
student@student-Vostro-3800:~/Desktop/B$
```

```
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ ls
keypairA.pem msgA.txt publicA.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ cp publicA.pem /home/ubuntu/Desktop/B/publicA.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ ls
keypairA.pem msgA.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ openssl rsautl -encrypt -in msgA.txt -out emsgA.txt -inkey publ
icB.pem -pubin
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ ls
emsgA.txt keypairA.pem msgA.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ cp emsgA.txt /home/ubuntu/Desktop/B/emsgA.txt
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ ls
emsgA.txt emsgB.txt keypairA.pem msgA.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ openssl rsautl -decrypt -in emsgB.txt -out dmsgB.txt -inkey key
pairA.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ cat emsgB.txt
nOtX0000j0H000
000{*C0000Z0V000[KD&000{00$|00g00I00Saw000g,0AD"!..iz\00
000)0.V0v0X0%R0N0â0L0y002i0jP~0@00&ZaY0}0W&I0u0}000xR8嘴]Ev0m00;1'0GNz0u.0!50x1𐄂000qVp𐄂0>{𐄂000^cM𐄂0
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$ cat dmsgB.txt
This is the message from B to A
A how are you ?
ubuntu@ubuntu-VirtualBox:~/Desktop/AS$
```

```
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ ls
keypairB.pem msgB.txt publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ cp publicB.pem /home/ubuntu/Desktop/A/publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ ls
keypairB.pem msgB.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ openssl rsautl -encrypt -in msgB.txt -out emsgB.txt -inkey publ
icA.pem -pubin
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ ls
emsgB.txt keypairB.pem msgB.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ cp emsgB.txt /home/ubuntu/Desktop/A/emsgB.txt
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ ls
emsgA.txt emsgB.txt keypairB.pem msgB.txt publicA.pem publicB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ openssl rsautl -decrypt -in emsgA.txt -out dmsgA.txt -inkey key
pairB.pem
ubuntu@ubuntu-VirtualBox:~/Desktop/B$ cat emsgA.txt
0a:000!00}006pFxx000h?00ovYj0+.Fx0[^00q00"#0Y00wz-000YD0t0G00!00M08000D0000H000A0000F0r*ÉA00jV0:qJw000
00000+_wp0R0c*0QCW0000
X000 0
C
02|s0!U0#ubuntu@ubuntu-VirtualBox:~/Desktop/B$ cat dmsgA.txt
This is the message from A to B
Hi B how are you ?
ubuntu@ubuntu-VirtualBox:~/Desktop/B$
```