## Experiment No. 11 Name: Mohan Patil Roll No. 19141267

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   —(<mark>a⊛kali</mark>)-[~/Downloads/New Folder]
 __$ cat AliceLargeFile.sh
#!/bin/sh
# Name: Mohan Patil
# Roll No.: 19141267
# Alice sends a large signed and confidential message
# Secret message Alice wants to send to Bob
cat > message.plain << EOF
                            Marital AGREEMENT
THIS AGREEMENT, made this thirteen day of June, 2004 is between Bob
and Alice
1. PURPOSE. The parties expect to be married to death do them part,
   and hear by enter into this agrement vouluntarily.
2. EFFECT OF AGREEMENT. The parties agree that if one or the other
   commits infidelity during the duration of the marriage, that the person guilty of said act shall in effect and wholey forsake all material
    property, assets and rights to act as a parent of any children.
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 —$ source BobSign.sh
The command rsautl was deprecated in version 3.0. Use 'pkeyutl' instead.
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AliceLargeFile.sh alice.private bob.private BobSign.sh message.decrpyted message.plain message.verified
AliceMsg.sh alice.public bob.public KeyGen.sh message.encrypted message.signed
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 -$ cat message.plain
Will you marry me ?
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-***9** **q*r_~0%0**cB*~*^*U{q**7***4g***0*C*]**0 s*g***br?btZ*:**=_**1\**G**,*M*n6*/**#LU*nTS**Y
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 -$ cat message.verified
Will you marry me ?
   -(<mark>a⊛kali</mark>)-[~/Downloads/New Folder]
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   -(askali)-[~/Downloads/New Folder]
    cat message.decrpyted
Alice Loves you
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$ cat BobSign.sh
#!/bin/sh
  Name: Mohan Patil
# Roll No.: 19141267
# Bob sends a short signed message
# Message Bob wants to sign
echo "Will you marry me ?" > message.plain
# Bob signs the message using his private key
openssl rsautl -sign -in message.plain -out message.signed -inkey bob.private
# Alice verifies Bob's message using his public key
openssl rsautl -verify -in message.signed -out message.verified -pubin -inkey bob.public
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  s cat message.decrpyted
Alice Loves you
(a kali)-[~/Downloads/New Folder]

cat BobSign.sh
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# Name: Mohan Patil
# Roll No.: 19141267
# Bob sends a short signed message
# Message Bob wants to sign
echo "Will you marry me ?" > message.plain
# Bob signs the message using his private key
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# Alice verifies Bob's message using his public key
openssl rsautl -verify -in message.signed -out message.verified -pubin -inkey bob.public
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$ cat AliceMsg.sh
#!/bin/sh
# Name: Mohan Patil
# Roll No.: 19141267
# Alice sends a short confidential message
# Secret message Alice wants to send to Bob
echo "Alice Loves you" > message.plain
# Alice encrypts the message using Bob's public key openssl rsautl -encrypt -in message.plain -out message.encrypted
                                                                                                                         -pubin -inkey bob.p
# Bob decrypts Alice's message using his private key
openssl rsautl -decrypt -in message.encrypted -out message.decrpyted
                                                                                                                         -inkey bob.private
```

AliceLargeFile.sh alice.private bob.private BobSign.sh message.decrpyted message.plain AliceMsg.sh alice.public bob.public KeyGen.sh message.encrypted

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—(a® kali)-[~/Downloads/New Folder] —\$ source AliceMsg.sh

