

```
senderCert = (X509Certificate)ks.getCertificate("testsender");
PublicKey pubKeySender = senderCert.getPublicKey();
// 6.2 Verifying the Signature
Signature myVerifySign = Signature.getInstance("MD5withRSA");
myVerifySign.initVerify(pubKeySender);
myVerifySign.update(strMsgToSign.getBytes());

boolean verifySign = myVerifySign.verify(byteSignedData);
if (verifySign == false)
{
    System.out.println(" Error in validating Signature ");
}
else
    System.out.println(" Successfully validated Signature ");

// 7. Decrypt the message using Recv private Key to get the Symmetric Key
char[] recvpassword = "recv123".toCharArray();
Key recvKey = ks.getKey("testrecv", recvpassword);
PrivateKey recvPrivateKey = (PrivateKey)recvKey;

// Parsing the MessageDigest and the encrypted value
String strRecvSignedData = new String(byteSignedData);
String[] strRecvSignedDataArray = new String[10];
strRecvSignedDataArray = strMsgToSign.split("");
int indexOfsep = strMsgToSign.indexOf("");
String strEncryptWithPublicKey = strMsgToSign.substring(0,indexOfsep);
String strHashOfData = strMsgToSign.substring(indexOfsep+1);

// Decrypting to get the symmetric key
byte[] byteEncrptWithPublicKey = new
BASE64Decoder().decodeBuffer(strEncryptWithPublicKey);
byte[] byteDecryptWithPrivateKey =
encoderUtil.decryptData(byteEncrptWithPublicKey,recvPrivateKey,"RSA/ECB/PKCS1
Padding");

// 8. Decrypt the data using the Symmetric Key
javax.crypto.spec.SecretKeySpec secretKeySpecDecrypted = new
javax.crypto.spec.SecretKeySpec(byteDecryptWithPrivateKey,"AES");
byte[] byteDecryptTest =
encoderUtil.decryptData(byteCipherText,secretKeySpecDecrypted,"AES");
String strDecryptedTest = new String(byteDecryptTest);
System.out.println(" Decrypted data is " +strDecryptedTest);

// 9. Compute MessageDigest of data + Signed message
MessageDigest recvmtd = MessageDigest.getInstance("MD5");
```

# Network Security Lab Manual Btech

**M Woodhall**



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**Kirshna's Computers and Languages ,      Network Security-Lab Manual** Thomson Delmar Learning,2004-02-01

**Hands-on Information Security Lab Manual** Michael E. Whitman,Herbert J. Mattord,David M. Shackleford,2005-02

The Hands On Information Security Lab Manual Second Edition allows students to apply the basics of their introductory security knowledge in a hands on environment with detailed exercises using Windows 2000 XP and Linux This non certification based lab manual includes coverage of scanning OS vulnerability analysis and resolution firewalls security maintenance forensics and more A full version of the software needed to complete these projects is included on a CD with every text so instructors can effortlessly set up and run labs to correspond with their classes The Hands On Information Security Lab Manual Second Edition is a suitable resource for introductory technical and managerial courses and is the perfect accompaniment to Principles of Information Security Second Edition and Management of Information Security

Offshore Oil & Gas Rigs JOB INTERVIEW Petrogav International Oil & Gas Training Center,2020-07-01 The job interview is probably the most important step you will take in your job search journey Because it s always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry Since these questions are so common hiring managers will expect you to be able to answer them smoothly and without hesitation This eBook contains 272 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process This course covers aspects like HSE Process Mechanical Electrical and Instrumentation Control that will enable you to apply for any position in the Oil and Gas Industry      LM- KAPLAN IT541 COMPUTER and NETWORK SECURITY LAB MANUAL Jones

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**Hands-On Information Security Lab Manual** Michael E. Whitman,Herbert J. Mattord,Andrew Green,2014-02-24

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