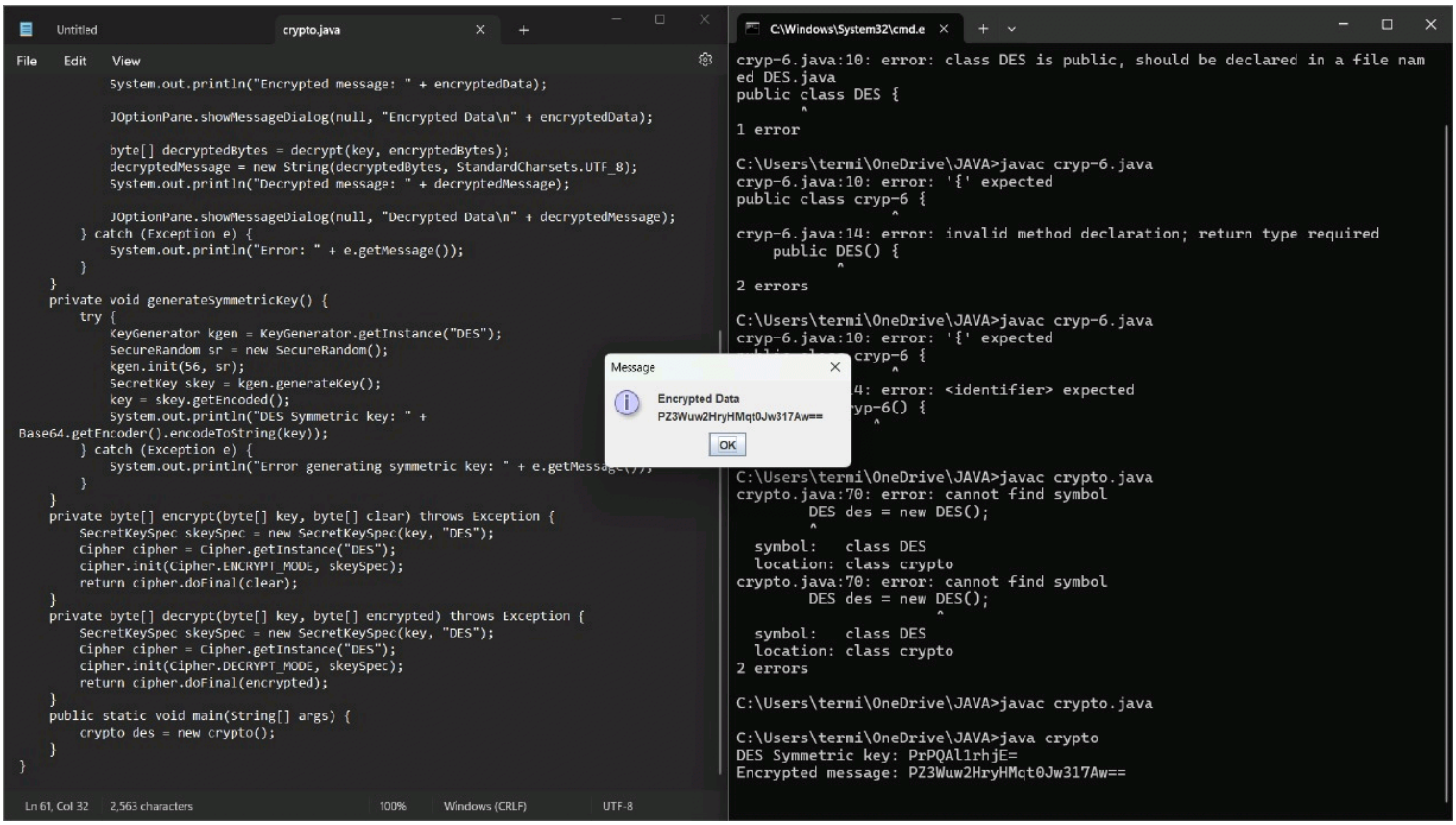
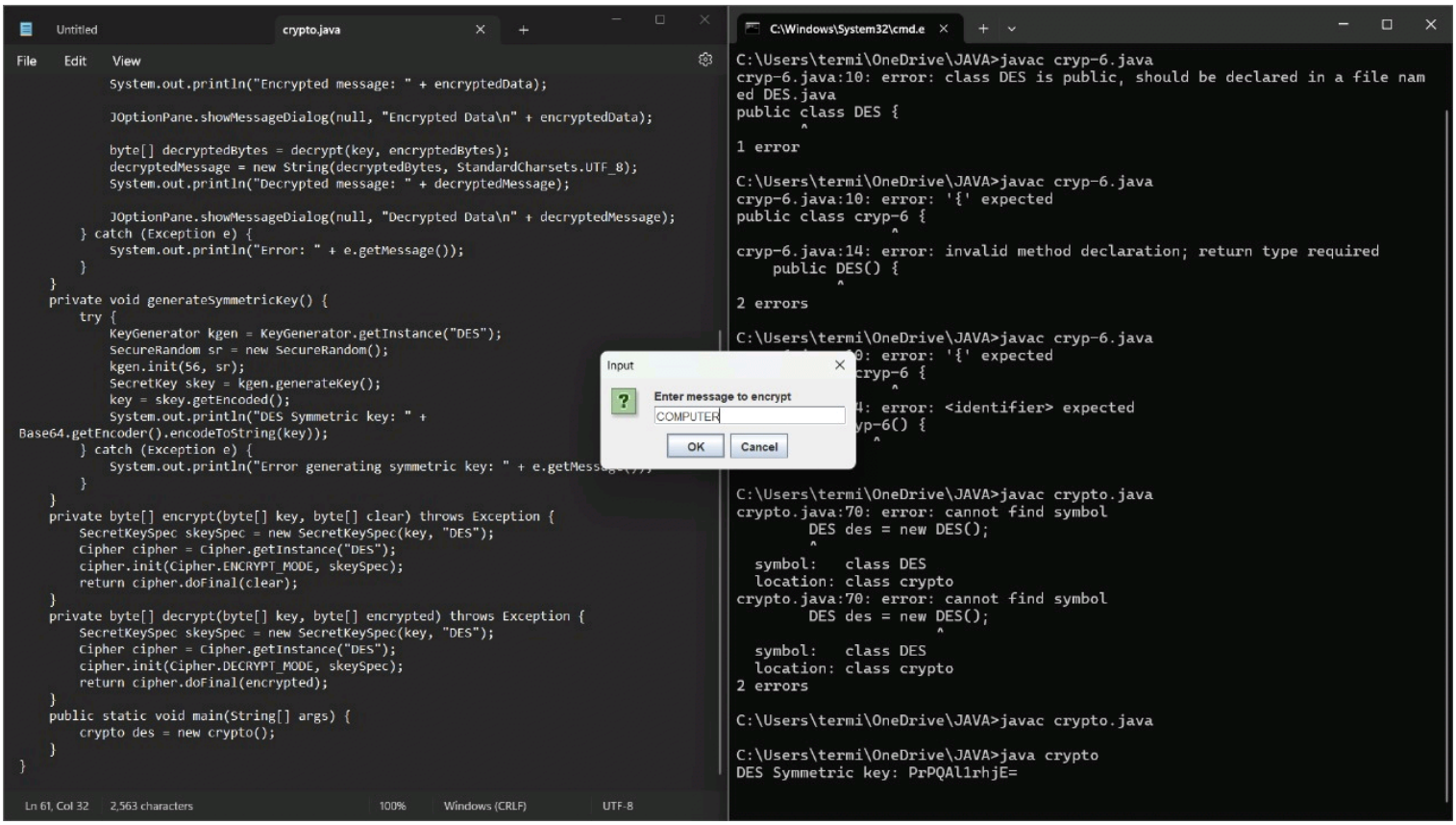
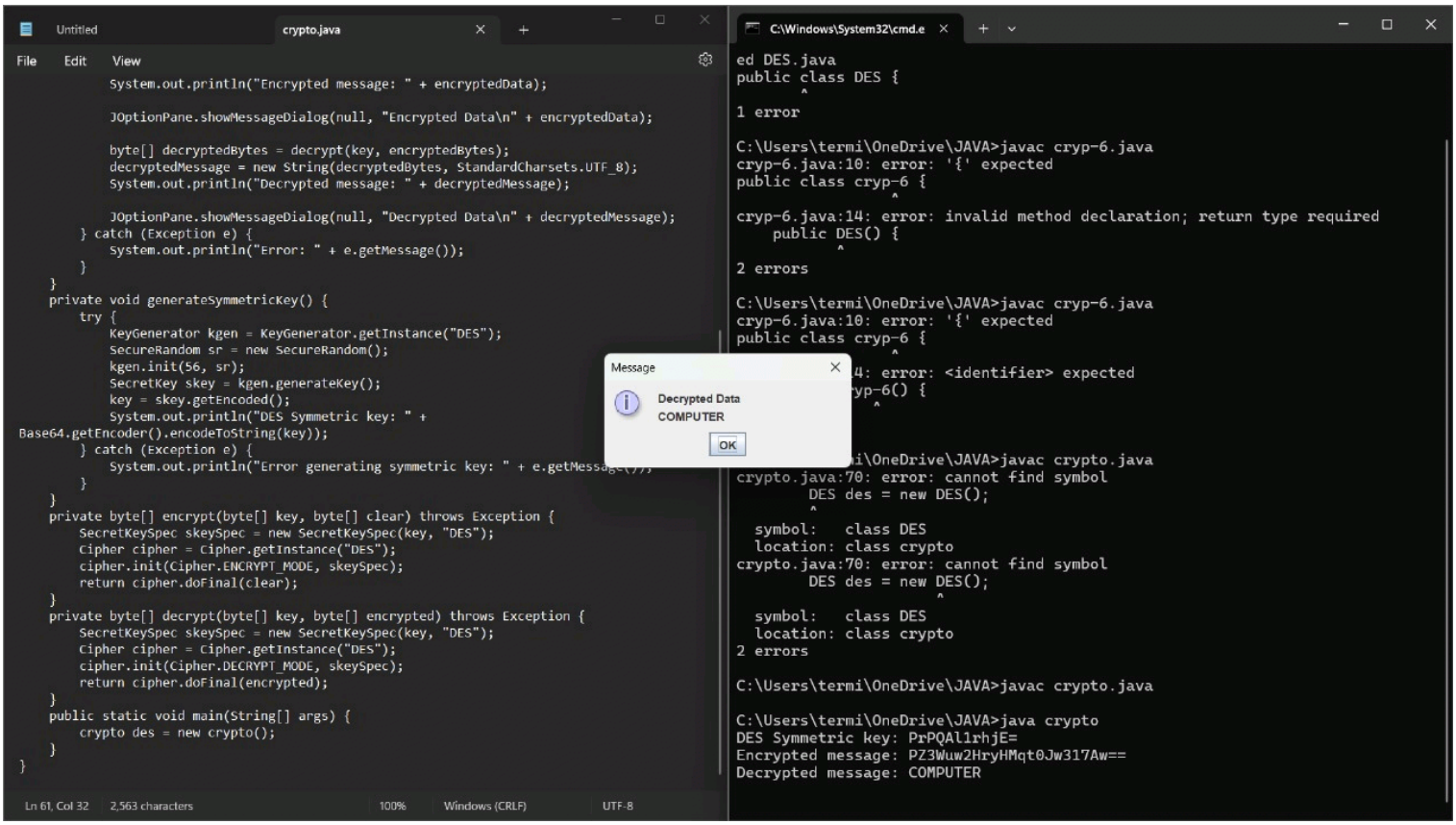

Untitled
crypto.java
File Edit View
System.out.println("Encrypted message: " + encryptedData);
JOptionPane.showMessageDialog(null, "Encrypted Data\n" + encryptedData);
byte[] decryptedBytes = decrypt(key, encryptedBytes);
decryptedMessage = new String(decryptedBytes, StandardCharsets.UTF_8);
System.out.println("Decrypted message: " + decryptedMessage);
JOptionPane.showMessageDialog(null, "Decrypted Data\n" + decryptedMessage);
} catch (Exception e) {
System.out.println("Error: " + e.getMessage());
}
}
private void generateSymmetricKey() {
try {
KeyGenerator kgen = KeyGenerator.getInstance("DES");
SecureRandom sr = new SecureRandom();
kgen.init(56, sr);
SecretKey skey = kgen.generateKey();
key = skey.getEncoded();
System.out.println("DES Symmetric key: " +
Base64.getEncoder().encodeToString(key));
} catch (Exception e) {
System.out.println("Error generating symmetric key: " + e.getMessage());
}
}
private byte[] encrypt(byte[] key, byte[] clear) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.ENCRYPT_MODE, skeySpec);
return cipher.doFinal(clear);
}
private byte[] decrypt(byte[] key, byte[] encrypted) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.DECRYPT_MODE, skeySpec);
return cipher.doFinal(encrypted);
}
public static void main(String[] args) {
crypto des = new crypto();
}
}
Ln 61, Col 32
2,563 characters
100%
Windows (CRLF)
UTF-8
Message
Encrypted Data
PZ3Wuw2HryHMqt0Jw317Aw==
OK
C:\Windows\System32\cmd.e
cryp-6.java:10: error: class DES is public, should be declared in a file nam
ed DES.java
public class DES {
^
1 error
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: '{' expected
public class cryp-6 {
^
cryp-6.java:14: error: invalid method declaration; return type required
public DES() {
^
2 errors
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: '{' expected
cryp-6 {
^
4: error: <identifier> expected
yp-6() {
^
C:\Users\termi\OneDrive\JAVA>javac crypto.java
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
2 errors
C:\Users\termi\OneDrive\JAVA>javac crypto.java
C:\Users\termi\OneDrive\JAVA>java crypto
DES Symmetric key: PrPQAl1rhjE=
Encrypted message: PZ3Wuw2HryHMqt0Jw317Aw==


Untitled
crypto.java
File Edit View
System.out.println("Encrypted message: " + encryptedData);
JOptionPane.showMessageDialog(null, "Encrypted Data\n" + encryptedData);
byte[] decryptedBytes = decrypt(key, encryptedBytes);
decryptedMessage = new String(decryptedBytes, StandardCharsets.UTF_8);
System.out.println("Decrypted message: " + decryptedMessage);
JOptionPane.showMessageDialog(null, "Decrypted Data\n" + decryptedMessage);
} catch (Exception e) {
System.out.println("Error: " + e.getMessage());
}
}
private void generateSymmetricKey() {
try {
KeyGenerator kgen = KeyGenerator.getInstance("DES");
SecureRandom sr = new SecureRandom();
kgen.init(56, sr);
SecretKey skey = kgen.generateKey();
key = skey.getEncoded();
System.out.println("DES Symmetric key: " +
Base64.getEncoder().encodeToString(key));
} catch (Exception e) {
System.out.println("Error generating symmetric key: " + e.getMessage());
}
}
private byte[] encrypt(byte[] key, byte[] clear) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.ENCRYPT_MODE, skeySpec);
return cipher.doFinal(clear);
}
private byte[] decrypt(byte[] key, byte[] encrypted) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.DECRYPT_MODE, skeySpec);
return cipher.doFinal(encrypted);
}
public static void main(String[] args) {
crypto des = new crypto();
}
}
Ln 61, Col 32
2,563 characters
100%
Windows (CRLF)
UTF-8
Input
Enter message to encrypt
COMPUTER
OK
Cancel
C:\Windows\System32\cmd.e
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: class DES is public, should be declared in a file nam
ed DES.java
public class DES {
^
1 error
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: '{' expected
public class cryp-6 {
^
cryp-6.java:14: error: invalid method declaration; return type required
public DES() {
^
2 errors
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6 {
^
<identifier> expected
yp-6() {
^
C:\Users\termi\OneDrive\JAVA>javac crypto.java
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
2 errors
C:\Users\termi\OneDrive\JAVA>javac crypto.java
C:\Users\termi\OneDrive\JAVA>java crypto
DES Symmetric key: PrPQAl1rhjE=


Untitled
crypto.java
File Edit View
System.out.println("Encrypted message: " + encryptedData);
JOptionPane.showMessageDialog(null, "Encrypted Data\n" + encryptedData);
byte[] decryptedBytes = decrypt(key, encryptedBytes);
decryptedMessage = new String(decryptedBytes, StandardCharsets.UTF_8);
System.out.println("Decrypted message: " + decryptedMessage);
JOptionPane.showMessageDialog(null, "Decrypted Data\n" + decryptedMessage);
} catch (Exception e) {
System.out.println("Error: " + e.getMessage());
}
}
private void generateSymmetricKey() {
try {
KeyGenerator kgen = KeyGenerator.getInstance("DES");
SecureRandom sr = new SecureRandom();
kgen.init(56, sr);
SecretKey skey = kgen.generateKey();
key = skey.getEncoded();
System.out.println("DES Symmetric key: " +
Base64.getEncoder().encodeToString(key));
} catch (Exception e) {
System.out.println("Error generating symmetric key: " + e.getMessage());
}
}
private byte[] encrypt(byte[] key, byte[] clear) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.ENCRYPT_MODE, skeySpec);
return cipher.doFinal(clear);
}
private byte[] decrypt(byte[] key, byte[] encrypted) throws Exception {
SecretKeySpec skeySpec = new SecretKeySpec(key, "DES");
Cipher cipher = Cipher.getInstance("DES");
cipher.init(Cipher.DECRYPT_MODE, skeySpec);
return cipher.doFinal(encrypted);
}
public static void main(String[] args) {
crypto des = new crypto();
}
}
Ln 61, Col 32
2,563 characters
100%
Windows (CRLF)
UTF-8
Message
Decrypted Data
COMPUTER
OK
C:\Windows\System32\cmd.e
ed DES.java
public class DES {
^
1 error
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: '{' expected
public class cryp-6 {
^
cryp-6.java:14: error: invalid method declaration; return type required
public DES() {
^
2 errors
C:\Users\termi\OneDrive\JAVA>javac cryp-6.java
cryp-6.java:10: error: '{' expected
public class cryp-6 {
^
4: error: <identifier> expected
yp-6() {
^
i\OneDrive\JAVA>javac crypto.java
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
crypto.java:70: error: cannot find symbol
DES des = new DES();
^
symbol: class DES
location: class crypto
2 errors
C:\Users\termi\OneDrive\JAVA>javac crypto.java
C:\Users\termi\OneDrive\JAVA>java crypto
DES Symmetric key: PrPQAl1rhjE=
Encrypted message: PZ3Wuw2HryHMqt0Jw317Aw==
Decrypted message: COMPUTER