

```
import javax.crypto.Cipher;
import javax.crypto.KeyGenerator;
import javax.crypto.SecretKey;

class SimpleDES {
    public static void main(String[] args) throws Exception {
        // Input message
        String message = "This is a confidential message.";
        byte[] messageBytes = message.getBytes(); // Convert message to bytes

        // Generate a DES key
        SecretKey desKey = KeyGenerator.getInstance("DES").generateKey();

        // Encrypt the message
        Cipher cipher = Cipher.getInstance("DES");
        cipher.init(Cipher.ENCRYPT_MODE, desKey);
        byte[] encryptedBytes = cipher.doFinal(messageBytes);

        // Decrypt the message
        cipher.init(Cipher.DECRYPT_MODE, desKey);
        byte[] decryptedBytes = cipher.doFinal(encryptedBytes);

        // Convert byte arrays to Strings
        String encryptedMessage = new String(encryptedBytes);
        String decryptedMessage = new String(decryptedBytes);

        // Output the results
        System.out.println("Original Message: " + message);
        System.out.println("Encrypted Message: " + encryptedMessage);
        System.out.println("Decrypted Message: " + decryptedMessage);
    }
}
```