Sample Code

Algorithem.java:-

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package EncryptionDecryption;

import java.security.spec.KeySpec;

import javax.crypto.Cipher;

import javax.crypto.SecretKey;

import javax.crypto.SecretKeyFactory;

import javax.crypto.spec.DESedeKeySpec;

import org.apache.commons.codec.binary.Base64;

public class Algorithem{

private static final String UNICODE\_FORMAT = "UTF8";

public static final String DESEDE\_ENCRYPTION\_SCHEME = "DESede";

private KeySpec ks;

private SecretKeyFactory skf;

private Cipher cipher;

byte[] arrayBytes;

private String myEncryptionKey;

private String myEncryptionScheme;

SecretKey key;

public Algorithem() throws Exception {

myEncryptionKey = "ThisIsSpartaThisIsSparta";

myEncryptionScheme = DESEDE\_ENCRYPTION\_SCHEME;

arrayBytes = myEncryptionKey.getBytes(UNICODE\_FORMAT);

ks = new DESedeKeySpec(arrayBytes);

skf = SecretKeyFactory.getInstance(myEncryptionScheme);

cipher = Cipher.getInstance(myEncryptionScheme);

key = skf.generateSecret(ks);

}

public String encrypt(String unencryptedString) {

String encryptedString = null;

try {

cipher.init(Cipher.ENCRYPT\_MODE, key);

byte[] plainText = unencryptedString.getBytes(UNICODE\_FORMAT);

byte[] encryptedText = cipher.doFinal(plainText);

encryptedString = new String(Base64.encodeBase64(encryptedText));

} catch (Exception e) {

e.printStackTrace();

}

return encryptedString;

}

public String decrypt(String encryptedString) {

String decryptedText=null;

try {

cipher.init(Cipher.DECRYPT\_MODE, key);

byte[] encryptedText = Base64.decodeBase64(encryptedString);

byte[] plainText = cipher.doFinal(encryptedText);

decryptedText= new String(plainText);

} catch (Exception e) {

e.printStackTrace();

}

return decryptedText;

}

}