import java.security.MessageDigest;

import java.security.NoSuchAlgorithmException;

public class MessageDigestExample {

public static void main(String[] args)

{

String data = "This is a messag to be digested using";

MessageDigest messageDigest;

try {

messageDigest = MessageDigest.getInstance("SHA-512");

messageDigest.update(data.getBytes());

byte[] messageDigestSHA = messageDigest.digest();

StringBuffer stringBuffer = new StringBuffer();

for (byte bytes : messageDigestSHA) {

stringBuffer.append(String.format("%02x", bytes & 0xff));

}

System.out.println("data:" + data);

System.out.println("digestedMD5(hex):" + stringBuffer.toString());

} catch (NoSuchAlgorithmException exception) {

exception.printStackTrace();

}

}

}