```
1  import java.security.*;
2  public class MD5 {
3  public static void main(String[] a) {
4  // TODO code application logic here
5  try {
6  MessageDigest md = MessageDigest.getInstance("MD5");
7  System.out.println("Message digest object info: ");
8  System.out.println(" Algorithm = " +md.getAlgorithm());
9  System.out.println(" Provider = " +md.getProvider());
10 System.out.println(" ToString = " +md.toString());
11 String input = "";
12 md.update(input.getBytes());
13 byte[] output = md.digest();
14 System.out.println();
15 System.out.println("MD5(\""+input+"\") = " +bytesToHex(output));
16 input = "abc";
17 md.update(input.getBytes());
18 output = md.digest();
19 System.out.println();
20 System.out.println("MD5(\""+input+"\") = " +bytesToHex(output));
21 input = "abcdefghijklmnopqrstuvwxyz";
22 md.update(input.getBytes());
23 output = md.digest();
24 System.out.println();
25 System.out.println("MD5(\"" +input+"\") = "
26 +bytesToHex(output)); System.out.println("");
27 }
28 catch (Exception e) {
29 System.out.println("Exception: " +e); }
30 }
31 public static String bytesToHex(byte[] b) {
32 char hexDigit[] = {'0', '1', '2', '3', '4', '5', '6', '7', '8', '9', 'A', 'B
33 StringBuffer buf = new StringBuffer();
34 for (int j=0; j<b.length; j++) {
35 buf.append(hexDigit[(b[j] >> 4) & 0x0f]);
36 buf.append(hexDigit[b[j] & 0x0f]); }
37 return buf.toString(); } }
```