**MD5**

import java.security.\*;

public class MD5 {

public static void main(String[] a) {

// TODO code application logic here

try {

MessageDigest md = MessageDigest.getInstance("MD5");

System.out.println("Message digest object info: ");

System.out.println(" Algorithm = " +md.getAlgorithm());

System.out.println(" Provider = " +md.getProvider());

System.out.println(" ToString = " +md.toString());

String input = "";

md.update(input.getBytes());

byte[] output = md.digest();

System.out.println();

System.out.println("MD5(\""+input+"\") = " +bytesToHex(output));

input = "abc";

md.update(input.getBytes());

output = md.digest();

System.out.println();

System.out.println("MD5(\""+input+"\") = " +bytesToHex(output));

input = "abcdefghijklmnopqrstuvwxyz";

md.update(input.getBytes());

output = md.digest();

System.out.println();

System.out.println("MD5(\"" +input+"\") = "

+bytesToHex(output)); System.out.println("");

}

catch (Exception e) {

System.out.println("Exception: " +e); }

}

public static String bytesToHex(byte[] b) {

char hexDigit[] = {'0', '1', '2', '3', '4', '5', '6', '7', '8', '9', 'A', 'B', 'C', 'D', 'E', 'F'};

StringBuffer buf = new StringBuffer();

for (int j=0; j<b.length; j++) {

buf.append(hexDigit[(b[j] >> 4) & 0x0f]);

buf.append(hexDigit[b[j] & 0x0f]); }

return buf.toString();

}

}

**OUTPUT**

Message digest object info:

Algorithm = MD5

Provider = SUN version 10

ToString = MD5 Message Digest from SUN, <initialized>

MD5("") = D41D8CD98F00B204E9800998ECF8427E

MD5("abc") = 900150983CD24FB0D6963F7D28E17F72

MD5("abcdefghijklmnopqrstuvwxyz") = C3FCD3D76192E4007DFB496CCA67E13B