**Program Code –**

package Code;

import java.security.\*;

class md5 {

public static void main(String[] a) {

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 + "\")=");

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

input = "The quick brown fox jumps over the lazy dog";

md.update(input.getBytes());

output = md.digest();

System.out.println();

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

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

input = "abcdefghijklmnopqrstuvwxyz";

md.update(input.getBytes());

System.out.println();

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

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

} 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();

}

}

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

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

} 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'};

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

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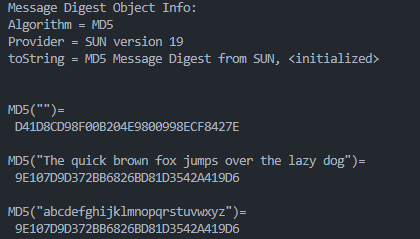
}

return buf.toString();

}

}

**Output –**

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