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Implementation of MD5 Algorithm in Java

Levels of difficulty: <u>Hard</u> / perform operation:

Algorithm Implementation, Networking

Java Program to implement MD5(Message Digest-5) Algorithm.

Generate Hash of the given message using MD5 Algorithm. Here, we have given md5 method to generate hash of the message, just pass a string in md5 method and get result.

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Interview

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```
java Program
```

```
import java.math.BigInteger;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
public class JavaMD5Hash {
        public static void main(String[] args) {
                System.out.println("For null " + md5(""));
                System.out.println("For simple text "+ md5("This is my text"));
                System.out.println("For simple numbers " + md5("12345"));
        }
        public static String md5(String input) {
                String md5 = null;
                if(null == input) return null;
                try {
                        //Create MessageDigest object for MD5
                        MessageDigest digest = MessageDigest.getInstance("MD5")
                        //Update input string in message digest
                        digest.update(input.getBytes(), 0, input.length());
                        //Converts message digest value in base 16 (hex)
                        md5 = new BigInteger(1, digest.digest()).toString(16);
                }
                catch (NoSuchAlgorithmException e) {
                        e.printStackTrace();
                return md5;
        }
```

Other Related Programs in java

Implementation of MD5 Algorithm in Java

Implementation of RSA Algorithm(Encryption and Decryption) in

Java

java program to get the date of URL connection

java program to read and download a webpage

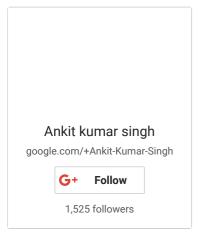
java program to find hostname from IP Address

java program to determine IP Address & hostname of Local

Computer?

java program to check whether a port is being used or not
java program to find proxy settings of a System
java program to create a socket at a specific port
java program to get the parts of an URL

About Me



<u>Aptitude / Reasoning /</u>

Interview