MD5 Algorithm

import java.math.BigInteger;

import java.security.MessageDigest;

import java.security.NoSuchAlgorithmException;

public class MD5 {

    public static String getMd5(String input)

    {

        try {

            // Static getInstance method is called with hashing MD5

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

            // digest() method is called to calculate message digest

            //  of an input digest() return array of byte

            byte[] messageDigest = md.digest(input.getBytes());

            // Convert byte array into signum representation

            BigInteger no = new BigInteger(1, messageDigest);

            // Convert message digest into hex value

            String hashtext = no.toString(16);

            while (hashtext.length() < 32) {

                hashtext = "0" + hashtext;

            }

            return hashtext;

        }

        // For specifying wrong message digest algorithms

        catch (NoSuchAlgorithmException e) {

            throw new RuntimeException(e);

        }

    }

    // Driver code

    public static void main(String args[]) throws NoSuchAlgorithmException

    {

        String s = "GeeksForGeeks";

        System.out.println("Your HashCode Generated by MD5 is: " + getMd5(s));

    }

}