# Exp No. – 8

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import java.math.BigInteger; import java.security.\*; public class ExpSHA1 {

public static String encryptThisString(String input)

{

try {

MessageDigest md = MessageDigest.getInstance("SHA-1"); byte[] messageDigest = md.digest(input.getBytes()); BigInteger no = new BigInteger(1, messageDigest);

String hashtext = no.toString(16); while (hashtext.length() < 32) { hashtext = "0" + hashtext;

}

return hashtext;

}

catch (NoSuchAlgorithmException e) { throw new RuntimeException(e);

}

}

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

{

System.out.println("20141272 Ruturaj kadam "); System.out.println("HashCode Generated by SHA-1 is: "); String s1 = "Ruturaj";

System.out.println("\n" + s1 + " : " + encryptThisString(s1));

}

}

# Output:

