**Practical No: 06**

**MD5 Hash**

import java.security.MessageDigest;

import java.security.NoSuchAlgorithmException;

import java.io.\*;

public class MD5 {

public static void main(String[] args) {

String inputString ;

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

try {

System.out.print("Enter any text:");

inputString=br.readLine();

// Create MessageDigest instance for MD5

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

// Get the MD5 hash

byte[] hashBytes = md.digest(inputString.getBytes());

// Convert byte array to hexadecimal string

StringBuilder hexStringBuilder = new StringBuilder();

for (byte hashByte : hashBytes) {

hexStringBuilder.append(String.format("%02x", hashByte));

}

// Print the MD5 hash

System.out.println("MD5 Hash: " + hexStringBuilder.toString());

} catch (Exception e) {

e.printStackTrace();

}

}

}

**Output:**

