Pract 7

```java
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.nio.charset.StandardCharsets;
import java.math.BigInteger;
import java.util.Scanner;

public class Main {
    public static void main(String[] args) throws NoSuchAlgorithmException {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Enter the text:");
        String text = scanner.nextLine();
        scanner.close();

        System.out.println("Original Text : " + text);

        String md5Hash = calculateMD5(text);
        System.out.println("MD5 Hash : " + md5Hash);
    }

    public static String calculateMD5(String text) throws NoSuchAlgorithmException {
        MessageDigest md = MessageDigest.getInstance("MD5");
        byte[] hashInBytes = md.digest(text.getBytes(StandardCharsets.UTF_8));

        // bytes to hex
        String md5Hash = new BigInteger(1, hashInBytes).toString(16);
        while (md5Hash.length() < 32) {
            md5Hash = "0" + md5Hash;
        }
        return md5Hash;
    }
}
```