

```
public static String digest(String target) throws NoSuchAlgorithmException {
    //SHAで変換、ここをかえればMD5とかも可能
    MessageDigest md = MessageDigest.getInstance("SHA");

    // ハッシュ値を計算
    md.update(target.getBytes());
    byte[] digest = md.digest();

    // 16進数文字列に変換
    StringBuilder buffer = new StringBuilder();
    for (int i = 0; i < digest.length; i++) {
        String tmp = Integer.toHexString(digest[i] & 0xff);
        if (tmp.length() == 1) {
            buffer.append('0').append(tmp);
        } else {
            buffer.append(tmp);
        }
    }
    return buffer.toString();
}
```