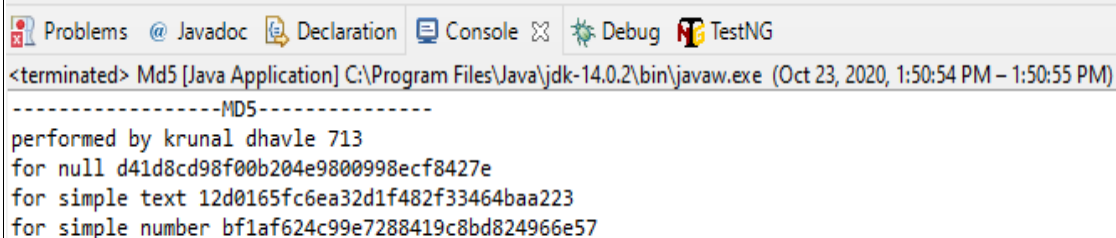


Date:23/10/2020

Practical no 7**AIM:** Write a program to implement the MD5 algorithm compute the message digest.**Code:-**

```
import java.math.BigInteger;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;

public class Md5 {
    public static String md5(String input) throws NoSuchAlgorithmException {
        String md5 = null;
        if(null == input)
        {
            return null;
        }
        MessageDigest md = MessageDigest.getInstance("MD5");
        md.update(input.getBytes());
        md5 = new BigInteger(1, md.digest()).toString(16);
        return md5;
    }
    public static void main(String[] args) throws NoSuchAlgorithmException {
        System.out.println("-----MD5-----");
        System.out.println("performed by krunal dhavle 713");
        System.out.println("for null " +md5(""));
        System.out.println("for simple text " +md5(" krunal dhavle 713 "));
        System.out.println("for simple number " +md5("291999"));
    }
}
```

Output

```
<terminated> Md5 [Java Application] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Oct 23, 2020, 1:50:54 PM - 1:50:55 PM)
-----MD5-----
performed by krunal dhavle 713
for null d41d8cd98f00b204e9800998ecf8427e
for simple text 12d0165fc6ea32d1f482f33464baa223
for simple number bf1af624c99e7288419c8bd824966e57
```