

Assignment 7

Title: MD5

Code:

```
import java.math.BigInteger;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
public class MD5
{
    public static String getMd5Hash(String input)
    {
        try
        {
            MessageDigest md = MessageDigest.getInstance("MD5");
            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);
        }
    }
}

//driver code
public static void main(String args[]) throws NoSuchAlgorithmException
{
    String s = "javatpoint";
    System.out.println("HashCode Generated for the string is: " + getMd5Hash(s));
}
}
```

OUTPUT :

