

Assignment 6

U20cs135

Write a program to calculate the message digest of a text using the MD5 algorithm.

Code

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

```
public class MD5 {
    public static String getMd5(String input)
    {
        try {
```

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

```
byte[] messa// Java program to  
calculate MD5 hash value  
Digest =  
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);  
}  
}
```

```
public static void main(String args[]) throws  
NoSuchAlgorithmException  
{  
    String s = "GeeksForGeeks";  
    System.out.println("Your HashCode  
Generated by MD5 is: " + getMd5(s));  
}  
}
```