

- **Program Code:**

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

public class GFG {
    public static String encryptThisString(String input)
    {
        try {
            MessageDigest md = MessageDigest.getInstance("SHA-1");

            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);
        }
    }
}
```

```
public static void main(String args[]) throws  
  
    NoSuchAlgorithmException  
    {  
  
        System.out.println("HashCode Generated by SHA-1 for: ");  
  
        String s1 = "Pratik Bangal";  
        System.out.println("\n" + s1 + " : " + encryptThisString(s1));  
  
        String s2 = "Computer Engineering";  
        System.out.println("\n" + s2 + " : " + encryptThisString(s2));  
    }  
}
```

- **Output:**

Output

Clear

java -cp /tmp/5MDWywq860 GFG  
HashCode Generated by SHA-1 for: Pratik Bangal :  
4bf4bc8b0c1e2968257758348f93ffb98b36a3f8  
Computer Engineering : 326a82d20b6a89056ac4a040b5bef7ddb442990e