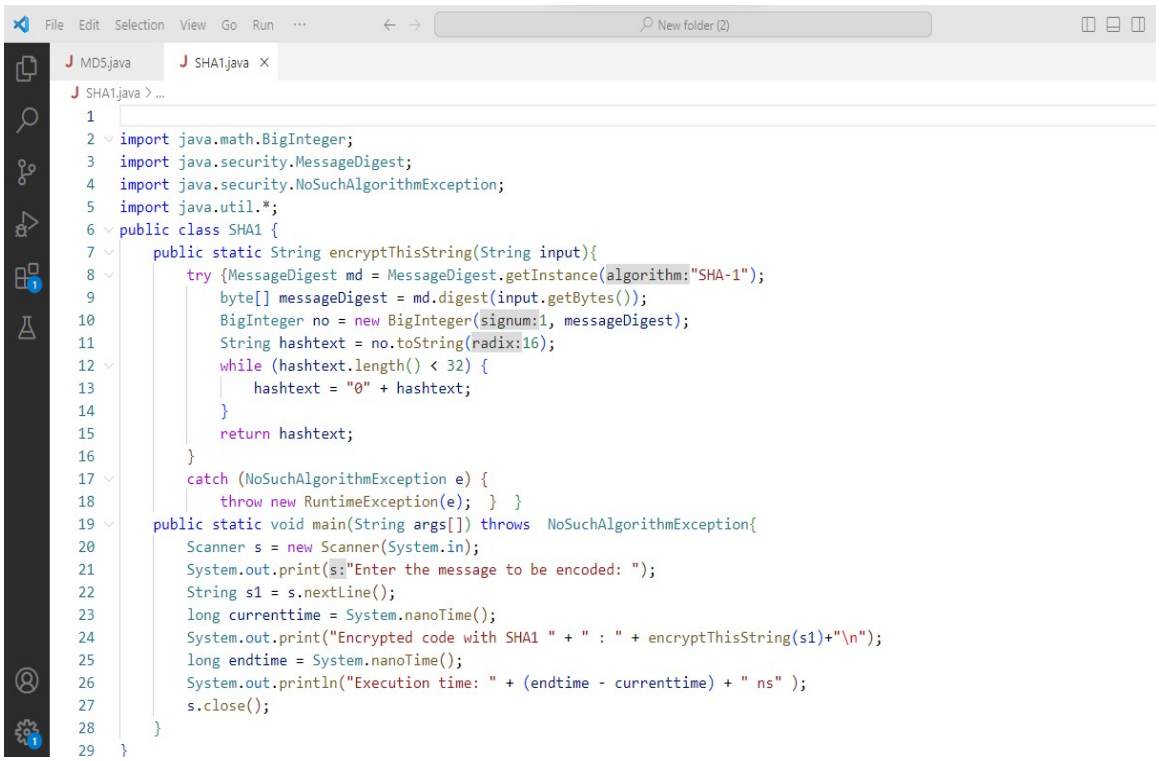
CODE MD5:

```java
import java.math.BigInteger;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.util.*;
public class MD5 {
    public static String getMd5(String input){
        try {MessageDigest md = MessageDigest.getInstance(algorithm:"MD5");
            byte[] messageDigest = md.digest(input.getBytes());
            BigInteger no = new BigInteger(signum:1, messageDigest);
            String hashtext = no.toString(radix: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{
        Scanner s = new Scanner(System.in);
        System.out.print(s:"Enter the message to be encoded: ");
        String input = s.nextLine();
        long currenttime = System.nanoTime();
        System.out.print("Your HashCode Generated by MD5 is: " + getMd5(input) + "\n
        long endtime = System.nanoTime();
        System.out.println("Execution time: " + (endtime - currenttime) + " ns" );
        s.close();
    }
}
```



```java
import java.math.BigInteger;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.util.*;
public class SHA1 {
    public static String encryptThisString(String input){
        try {MessageDigest md = MessageDigest.getInstance(algorithm:"SHA-1");
            byte[] messageDigest = md.digest(input.getBytes());
            BigInteger no = new BigInteger(signum:1, messageDigest);
            String hashtext = no.toString(radix: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{
        Scanner s = new Scanner(System.in);
        System.out.print(s:"Enter the message to be encoded: ");
        String s1 = s.nextLine();
        long currenttime = System.nanoTime();
        System.out.print("Encrypted code with SHA1 " + " : " + encryptThisString(s1)+"\n");
        long endtime = System.nanoTime();
        System.out.println("Execution time: " + (endtime - currenttime) + " ns" );
        s.close();
    }
}
```

OUTPUT:

```
PS C:\Users\Student\Desktop\New folder (2)> javac MD5.java
PS C:\Users\Student\Desktop\New folder (2)> java MD5
Enter the message to be encoded: It is a good day
Your HashCode Generated by MD5 is: f67fad1db459f64234e7d02583d628bd
Execution time: 6943700 ns

PS C:\Users\Student\Desktop\New folder (2)> javac SHA1.java
PS C:\Users\Student\Desktop\New folder (2)> java SHA1
Enter the message to be encoded: It is a good day
Encrypted code with SHA1  : e66cc57d64a53f45b25dca1d8514b0fd5a80812d
Execution time: 7796900 ns
PS C:\Users\Student\Desktop\New folder (2)>
```