

Source Code :

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

class practical_7{
    public static String encryptThisString(String sample){
        try{
            MessageDigest md = MessageDigest.getInstance("SHA-1");
            byte[] messageDigest = md.digest(sample.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) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter message : ");
        String inp = sc.next();
        System.out.println("SHA-1 encryption of " + inp + " is : " + encryptThisString(inp));
    }
}
```

Output :-

```
F:\coding_programmes\PyCharm Community Edition 2021.2.3\CNSL-2023-24>javac practical_7.java
F:\coding_programmes\PyCharm Community Edition 2021.2.3\CNSL-2023-24>java practical_7
Enter message : password_is_here
SHA-1 encryption of password_is_here is : d7a5649c703a35bbfa239f8425ea2a3ef4488fea
F:\coding_programmes\PyCharm Community Edition 2021.2.3\CNSL-2023-24>_
```