

Name: Radhika Singh

Roll No.: 18075046

Dept.: CSE

Screenshots :

Name - Radhika Singh
Roll No. - 18075046
Dept. - CSE

Network Security Assignment 0

Encipher / Decipher with the simple encryption..

Plain Text

Cipher Text

Encipher Text

Decipher Text

Name - Radhika Singh
Roll No. - 18075046
Dept. - CSE

Network Security Assignment 0

Encipher / Decipher with the simple encryption..

Plain Text

Cipher Text

Encipher Text

Decipher Text

Source Code :

assignment.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Assignment 0</title>
<!--My Introduction-->
<p></br>&emsp;&emsp;<b>Name - </b>Radhika Singh</br>
&emsp;&emsp;<b>Roll No. - </b>18075046</br>
&emsp;&emsp;<b>Dept. - </b>CSE</p>
</head>
<body style="font-size:1.2em;" bgcolor="#99ff99">
<center>
<h1>Network Security Assignment 0</h1>
<h4>Encipher / Decipher with the simple encryption ..</h4></br></br>
<!--Inputbox for Plain text-->
<label>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<i>Plain Text</i></input>
<input style="font-size:1.2em;" id="Text1" /></br></br>
<!--Inputbox for Cipher text-->
<label><i>Cipher Text</i></input>
<input style="font-size:1.2em;" id="Text2" /></br></br>
<!--Buttons for Enciphering/Deciphering texts-->
&emsp;<button style="font-size:1.05rem; padding-left:0.5em;
padding-top:0.2em; padding-right:0.5em; padding-bottom:0.2em ;
border-radius:0.3em;" id="Button1">Encipher Text</button>
<button style="font-size:1.05rem; padding-left:0.5em;
padding-top:0.2em; padding-right:0.5em; padding-bottom:0.2em ;
border-radius:0.3em;" id="Button2">Decipher Text</button>
<script src="assignment.js"></script>
</center>
</body>
</html>
```

assignment.js

```
//Variables for inputboxs and buttons
var T1 = document.getElementById("Text1");
var T2 = document.getElementById("Text2");
var B1 = document.getElementById("Button1");
var B2 = document.getElementById("Button2");

//change plain text into cipher
text(a→z,b→y,c→x,....,x→c,y→b,z→a,A→Z,B→Y,C→X, ... ,X→C,Y→B,Z
→A)
//Activates when button 1 is clicked..
B1.addEventListener("click",()=>{
    //var string for cipher text
    var str="";
    //loops to traverse through length of plain text input
    for(var i=0;i<T1.value.length;i++){
        //character at i'th value in input
        var c = T1.value.charCodeAt(i);
        //logic for changing plain text to cipher text
        if(c ≥ 97 && c ≤ 122){
            c=219-c;
        }else if(c ≥ 65 && c ≤ 90){
            c=155-c;
        }
        str+=String.fromCharCode(c);
        //store created cipher string in cipher text box value
        T2.value=str;
    }
});
//change cipher text into plain
text(z→a,y→b,x→c,....,c→x,b→y,a→z,Z→A,Y→B,X→C, ... ,C→X,B→Y,A
→Z)
//Activates when button 2 is clicked..
B2.addEventListener("click",()=>{
    //var string for plain text
    var str="";
    //loops to traverse through length of cipher text input
```

```
for(var i=0;i<T2.value.length;i++){  
    //character at i'th value in input  
    var c = T2.value.charCodeAt(i);  
    //logic for changing cipher text to plain text  
    if(c ≥ 97 && c ≤ 122){  
        c=219-c;  
    }else if(c ≥ 65 && c ≤ 90){  
        c=155-c;  
    }  
    str+=String.fromCharCode(c);  
    //store created plain string in plain text box value  
    T1.value=str;  
}  
});
```

Github Link: <https://github.com/Radhika-singh/Assignment0>