Practical Assignment 0 (PA0)

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Course: Network Security (CSE-537)

Practical Assignment 0

Write a program with a nice UI to Encipher / Decipher with the simple encryption algorithm discussed in the class.

Submit on the MS Teams platform as a single pdf containing:

- a. Screenshots
- b. Well commented Source-code
- c. Github link where the code has been uploaded.
- GitHub link (Source code): https://github.com/krashish8/netsec-assignments
- Deployed (View Online!!): https://ashish-netsec.netlify.app/ [Alternate Link]

[P.T.O.]

Source Code (well-commented):

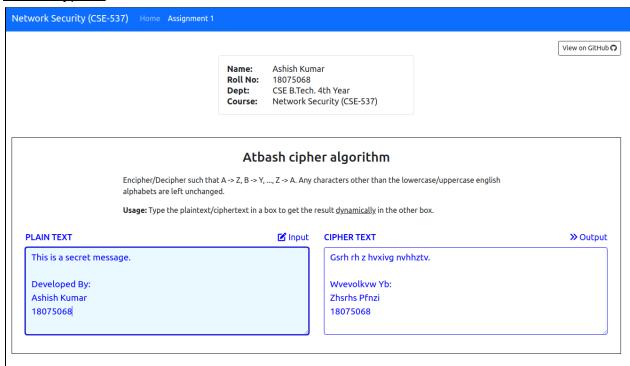
The complete source code for rendering the HTML and creating the UI can be found on the above GitHub repository.

The main JavaScript function for encoding/decoding is shown below:

```
function encodeOrDecode(input) {
var output = "";
 for (var i = 0; i < input.length; i++) {</pre>
  var char = input.charAt(i);
  var ascii = char.charCodeAt();
   if (char >= "a" && char <= "z") {</pre>
     output += String.fromCharCode(
       "a".charCodeAt() + ("z".charCodeAt() - ascii)
   } else if (char >= "A" && char <= "Z") {</pre>
     output += String.fromCharCode(
       "A".charCodeAt() + ("Z".charCodeAt() - ascii)
     );
   } else {
     output += char;
 return output;
```

Screenshots:

For encryption:



For decryption: (The same algorithm can be used for encryption/decryption)

