ALGORITHM

- Step-1 :- START
- Step-2 :- Create a class named as `CaesarCipher`.
- Step-3 :- Create a method named as `main`. In this function, create a variable named as `text` and assign a string value to it from the user (using Scanner class) which stores the plain text. Create a StringBuffer object named as `sb`. Create a for loop (from 0 to length of the string), inside this create a variable `ch` of type char and store each character of string `text`, now check the condition if the character `ch` is between A–M, if true then `append((char)(ch+13))` to `sb`, else if the character `ch` is between N–Z, if true then `append((char)(ch-13))` to `sb`, else `append(ch)` to `sb`. Now store the value of `sb` in a string variable named as `cipher` and print it.
- Step-4 :- END

VD TABLE

Sr. No.	Variable	Data Type	Description
1	text	String	Stores the plain text
2	sb	StringBuffer	Stores the cipher text
3	ch	char	Stores the character of the string
4	cipher	String	Stores the cipher text
5	i	int	Stores the index of the string
6	len	int	Stores the length of the string

OUTPUT


```
BlueJ: Terminal Window - basic

Options
Enter plain text:
Hello! How are you?
The cipher text is:
Uryyb! Ubj ner lbh?
```