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  2  3  4  5  6 | text  sb  ch  cipher i  len | String  StringBuffer char  String  int  int | Stores the plain text  Stores the cipher text  Stores the character of the string Stores the cipher text  Stores the index of the string  Stores the length of the string |

OUTPUT

