Caesar would have written in Latin instead of English. What would we do differently if we know the language we’re examining isn’t English but some other language?

Then you need to add some z offset for the Unicode character that was being used in the cipher, instead:

char newChar = (char) ((ch - 'a' + shift) % 26 + 'a');

use this:

char newChar = (char) ((ch - 'firstLetter' + shift) % [int](number%20of%20letters%20in%20the%20alphabet) + 'firstLetter');

Suppose we (somehow) know that the person doing the encryption uses one shi-value for lower case letters, and a different shi-value for upper case letters. What would we have to do differently? How would that affect our calculations, or how would we have to alter our program/calculations to account for this?

Then need:

public String rotate(@NotNull String s, int n) { //have two parameters for the lower and upper  
 char[] temp = s.toCharArray();  
 for (int i=0;i<temp.length;i++) {  
 if (Character.isLetter(temp[i])) {  
 if (Character.isLowerCase(temp[i])) {  
 temp[i]=(char)((((int)temp[i]+n)<97) ? (((int)temp[i] + n - 97) % 26 + 123 ) : (((int)temp[i] + n - 97) % 26 + 97));

//use first parameter  
 }  
 else {  
 temp[i]=(char)((((int)temp[i]+n)<65) ? (((int)temp[i] + n - 65) % 26 + 91 ) : (((int)temp[i] + n - 65) % 26 + 65));

//use second parameter  
 }  
 }  
 }  
 return new String(temp);  
}

As a result, we have an application that decrypts the Caesar cipher. I think that this application can be used in the case when we know that it is encrypted using the Caesar cipher method, otherwise we will not get the correct result.

Application was tested on cases:

* “The ships hung in the sky in much the same way that bricks don't."(crypt).
* "Vg vf n zvfgnxr gb guvax lbh pna fbyir nal znwbe ceboyrzf whfg jvgu cbgngbrf."(decrypt).

In both cases, affirmative results were obtained.