**Start**  
1.Create lists for lowercase letters (a–z) and uppercase letters (A–Z).

2**.** Ask the user if they want to encrypt or decrypt the message.  
3. Ask the user to input the message they want to process.  
4.Ask the user to input a shift value (a number).  
5.If the user's selection is "decrypt," reverse the shift value by making it negative.  
6.Create an empty placeholder to store the resulting message.  
7.Loop through each character in the user's message:

* 7.1. If the character is lowercase:
  + 7.1.1: Find the position of the character in the lowercase list.
  + 7.1.2: Add the shift value to the position and calculate the modulus of 26 to handle wrapping.
  + 7.1.3: Find the new letter corresponding to the result and add it to the placeholder.
* 7.2. If the character is uppercase:
  + 7.2.1: Find the position of the character in the uppercase list.
  + 7.2.2: Add the shift value to the position and calculate the modulus of 26 to handle wrapping.
  + 7.2.3: Find the new letter corresponding to the result and add it to the placeholder.
* 7.3**:** If the character is neither uppercase nor lowercase (e.g., a space or punctuation), add it to the placeholder unchanged.  
  Step 8: Repeat Step 7 for all characters in the message.  
  Step 9: Display the resulting message to the user.  
  End