3. An algorithm is required to count the number of upper and lower case characters in a string variable called `sentence`. Upper case characters have an ASCII code between 65 and 90 and lower case characters are between 97 and 122.

The expected output for the sentence 'To be or not to be?' would be:

Upper case: 1

Lower case: 12

Using a design technique of your choice, design this algorithm. **4**