# **Klingon Quiz Problem Version 3: Logic is the beginning of wisdom, not the end**

Learning Klingon is not easy! So let’s help our users by giving them a hint.

In this version, your program should show a hint after the first attempt and, with the hint, give two more attempts to give the right answer.

Qapla’!

## **What to do**

**Already implemented:**

1. Read data from [klingon-english.txt](https://drive.google.com/file/d/1jSXbh4TEd4cEDFWPXVdWVAy0vdk8JEmm/view?usp=sharing)
2. Ask the user to choose a Klingon consonant they want to practice with. Ask again if the user’s answer is not a valid Klingon consonant, until the user enters a valid consonant.
3. Find a Klingon word that starts with the chosen consonant *(the text file contains only* ***one*** *word that starts with any given consonant, so you don’t need to use the* random *library)*
4. Ask the user to translate the chosen word into Klingon
5. Print Correct if the user’s answer is correct
6. Print Sorry, you’re wrong! if the user’s answer is wrong

**You will add in this version:**

1. If the answer is incorrect, show a hint: the first and last characters of the correct Klingon word. When showing a hint, replace all other characters with a star (\*)
2. If the answer is still incorrect, show the same hint once again.

**You will refactor in this version:**

1. Print The correct answer is ... if **all three** user’s answers are wrong

You **must** read data from the provided text file, that is absolutely essential in this lab assignment. You can not hardcode the words.

## **Hints**

1. You can use slicing to generate a hint. Think:
   1. How to get the first character of a string?
   2. How to get the last character of a string?
   3. How to generate a string containing a certain number of star (\*) characters?
   4. How to concatenate these elements?

## **Program name**

Save your program as klingon-quiz3.py.

## **Demo**

<https://asciinema.org/a/QsnTZbfkvntNiHua3d1znm9Re>

## **Testing**

To make sure your program works correctly, you should test it. At this point, there are many test cases that you should consider. Refer to the screen recording above for some ideas. Come up with your own test cases for this program.

## **Submitting**

Submit klingon-quiz3.py via eClass.

*You may submit either all versions you complete, or only the final version.*