TYPING TEST

Pseudo-code

Question Display

- Extract the question
- Loop through the question and apply each character into a span.
- Apply the index number to the span ID
- Create a class for identifying the colors of each character.
- Create a variable to store incorrect chars

Logic

- Create an array of each character
- Create a pointer.
- Create an equal array of truths, when the character is wrong, change the corresponding array to false.

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**Desktop**
- Listen to key-press and compare it to the array.
- Ignore unwanted key-press
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- If it matches. change the corresponding character in the question to green, increase array pointer
- If negative, corresponding character color should be red, increase pointer, change the corresponding index in the truthy array, inCorrect char ++
- If backspace is clicked, color should be undone and corresponding index in array is set back to truth.

Math

Time-based

$$WPM = (totalCharTyped/5)/timeInMInutes$$

$$Accuracy = (correctChar/totalCharType) * 100$$

Passage-mode

$$WPM = (totalhCharTyped/5)/timeInMinutes$$

$$timeInMinutes = endTime = StartTime$$

$$Accuracy = (correctChar/totalTyped) * 100$$