**TYPING SPEED TEST**

TOOL USED

**Python(GUI)**

Project report submitted to

**Zukun academy**



In partial fulfillment of the requirements for the award of the course of **Data science**

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**Description:** using python with the tkinter(GUI) library the gui presents a sample text for which the users to click the start button to start the input to type and submit button is used to submit and result button which users will present and check the accuracy, incorrect words, words per minute

* The graphical user interface (GUI) is created using **tkinter**.
* **Timer** is used to Calculates how long it takes the user to finish the typing speed test.
* **Tk():** Initializes the primary window for the application(eg:class).
* **title():** Assigns a title to the window.
* **geometry():** Secures a window size.
* **configure():** Fills the background with white color.
* A **Frame** is used to organize related **widgets.**
* A **text Label** widget presents the title "**Typing Speed Test."** This title is shown in red color and  bold font.
* The passage that users must type is contained in **sample\_text**
* A Text **widget show/display** this passage in a scrollable text box.
* **Start button, Submit button, and Result button** are added with specific colour and sizes.
* Each button is based on a **function** for example start\_test() or submit\_test()
* **Text Entry** widget allows users to input the typed text.
* The **background** of selected text turn into black colour and the **foreground** of selected text turn into yellow colour
* A **text=""** is otherwise called as **blank**, the **result label** is used to display results if user give submit it will show the results as **word per minutes, accuracy, and incorrect words.**
* The starts and ends time is used to track and predict the user typed time for word per minute
* In the end time it will be evaluated
* Difference between start minus end times you will get the total time taken while typing
* Number of words typed per minute is divide by time taken and then multiply with 60.
* **Correct Words** is used to correct between sample and user words.
* **Accuracy**: a user typed more correct words
* **Total Incorrect Words**: a user typed incorrect words like spelling mistakes, wrong words etc.

