

## **PSDL MINI PROJECT**

### **SYNOPSIS**

#### **1)Group Member Roll Numbers, C Numbers and Names**

<b>NAMES</b>	<b>C.NUMBER</b>	<b>ROLL NO.S</b>
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**2)PROBLEM STATEMENT** : To design a typing speed tester in python.

### 3)KEYWORDS :

**a)WPM** : WPM stands for Words Per Minute. In the typing speed tester , speed is calculated based on the number of words the user types in the given time.

It is calculated using the formula :

$$\text{WPM} = \frac{\frac{[\text{Number of Characters Typed}]}{5} - \text{errors}}{\text{time taken (in min)}}$$

5 here is the average time taken

### 4)ABSTRACT :

This python project : TYPING SPEED TESTER mainly deals with checking the typing speed of the user. This becomes very essential for the employees working in the software companies where typing speed matters a lot!!! Not only for the employees but also for the students doing the computer engineering course where typing speed matters a lot!

With the help of this project one can improve his/her speed of typing , typing more accurately with less errors is the main objective that this project can provide to the user with constant practice.

Further , this project can also be a productive refreshment or a short break.

This was the main reason of selecting this project as it would be easy to access even for the common people

, no highly restrictions on its use with a productive and helpful result in the long run.

## **5)MODULE WISE DESCRIPTION :**

For implementing this project we have used the following modules :

**a)Tkinter Module** : From this module everything is imported. Importing all the functions of that particular module is implemented with the symbol '\*'.

From this module we have used functions like

**geometry()** : to specify the window size.

**configure()** : to specify the background colour and made use of keywords like as label , buttons ,etc.

**Message box** : is the another thing that is imported to pop the message of the speed i.e to display the speed of the user.

**Default\_timer** : To calculate the time taken by the user to type those words displayed in console.

## **b)Randomn :**

This module will display any randomn text on the console from the group of sentences written.

## **6)TECHNOLOGY SELECTED AND TECHNOLOGY FEATURES COVERED :**

For this project we have used PyCharm : The Python IDE for professional Developers.

PyCharm :

- 1)Focuses on bigger things and embrace the keyboard-centric approach to get most of the PyCharm's many productive features.
- 2)Relying on PyCharm for intelligent code completion , on-the-fly erroe checking and quick fixes.
- 3)Easy project Navigation and many more features.
- 4)A convenient environment for productive Python, web and data science development.

## **7)REFERENCES :**

For this project we have referred to some of the books available in library like as core Python.

Searched few google websites and checked the typing speed tester website to get teh clarity of the GUI used. Also, explored some of the youtube channels.

Websites of some typing speed tester which we referred are mentioned below :

a)<https://www.typing.com/student/tests>

b)<https://www.typingtest.com/>

c)<https://10fastfingers.com/typing-test/english>