

PROJECT 1 :TYPING SPEED **CALCULATOR**



NAME : VISHNU P

USN:4JN20CV111

E-MAIL:adithyabs31@gmail.com

ACKNOWLEDGEMENT

While I was making this project , a lot of information that I found helped me in chapter and I am glad that I was able to complete this project and was able to understand many things.

It gave me an immense pleasure while doing this project because it was not just a project but , a source to learn not just about chapter but also I inculcated many qualities like responsibility , punctuality , confidence and whatnot.

The journey of making this project was so nice and in all this my teachers who supported me all the time , cleared my doubts and the parents support also played a big role and my friends too helped me . I thank to all of them and wish that they keep supporting me like this.

Doing work on time is something everyone needs to learn and through this project I have improved my timing and also it made my thinking skills better .

A project is a bridge between theoretical and practical learning and with this thinking I worked on the project and made it successful due to timely support and efforts of all who helped me.

Once again thank you Sir/Ma'am to give me this project and to make me learn so many things .I have no more valuable words to express my thanks , but my heart is still full of favor received from every person

ABOUT THE COMPANY:

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A BRIEF OVERVIEW ON THE PROJECT:

This Java project is a general-purpose, concurrent, class-based, object-oriented computer programming language that is specifically designed to have as few implementation dependencies as possible and it helps to learn how to define and call the function in code.

It is intended to let application developers "write once, run anywhere" (WORA), meaning that code that runs on one platform does not need to be recompiled to run on another and from doing this project we get know about class must allow the objects to cooperate during the execution

2.ADVANTAGES AND CHALLENGES WHILE COMPLETING THE PROJECT.

This project has advantage of giving the user a understanding of his /her speed in typing the words and characters, also mentioning the correct accuracy of typed words. THE TYPING SPEED CACULATOR done has levels to it such as easy , medium , hard indicating the user speeds in various conditions given the randomness in words and sentences given helps the user to achieve more accuracy through his /her practice in the typing speed. Finally the WPM , CPM and accuracy is output for various levels user completes.

On the other hand the code of various levels that was to be done was challenge along with the time calculated for each input and the usual problems like use of inbuilt functions and minor problems in methods were faced often but overcome in final result.

SOFTWARE AND HARDWARE REQUIREMENTS FOR JAVA PROJECT :

Hardware Requirement for Java :

Minimum hardware requirement to download Java on your Windows operating system as follows:

- Minimum Windows 95 software
- IBM-compatible 486 system
- Hard Drive and Minimum of 8 MB memory
- A CD-ROM drive
- Mouse, keyboard and soundcard

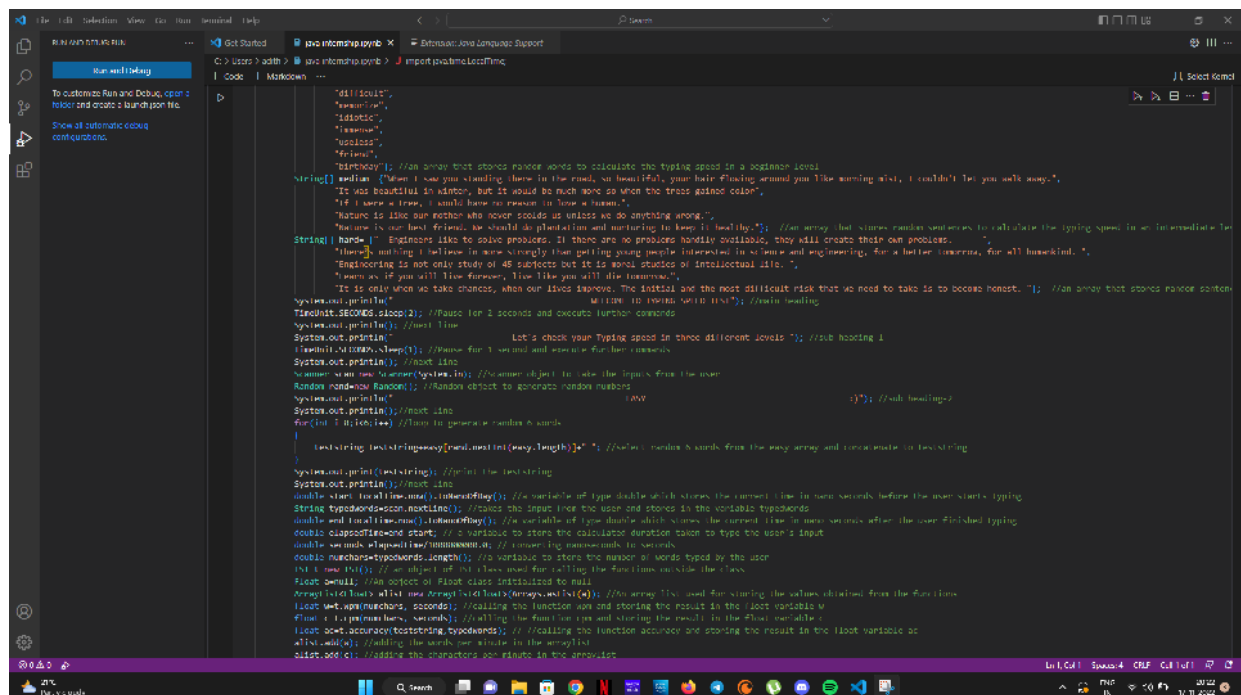
Software requirement for Java :

Nowadays, Java is supported by almost every operating systems. Whether it is a Windows, Macintosh and Unix all supports the Java application development. So you can download any of the operating system on your personal computer. Here are the minimum requirement.

The software require for project includes package necessary to successfully compile and build the program.

- Operating System
- Java SDK or JRE 1.6 or higher
- Java Servlet Container (Free Servlet Container available)
- Supported Database and library that supports the database connection with Java.

IMPLEMENTATION OF THE PROJECT with Screenshots:



TYPING SPEED CALCULATOR

[illegible]

The screenshot shows a Java IDE with a project named "RunAndDebug". The main editor displays a Java class named "ScannerTest.java" with the following code:

```

import java.io.*;

public class ScannerTest {
    public static void main(String[] args) throws IOException {
        // Create a Scanner object to read from the file
        Scanner scanner = new Scanner(new File("numbers.txt"));

        // Loop through the elements of the arraylist
        while (scanner.hasNextLine()) {
            String line = scanner.nextLine();
            double value = Double.parseDouble(line);

            // Check if the value is between 90 and 100
            if (value >= 90) {
                System.out.println("EASY!");
            } else if (value >= 80) {
                System.out.println("MEDIUM");
            } else if (value >= 70) {
                System.out.println("HARD");
            } else {
                System.out.println("TOO HARD!");
            }
        }

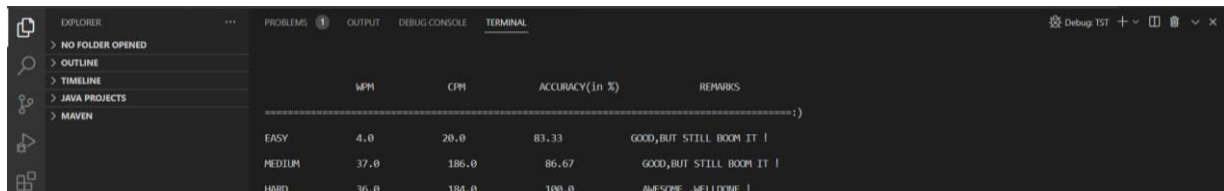
        scanner.close();
    }
}

```

The IDE interface includes a top menu bar (File, Edit, Selection, View, Run, Terminal, Help), a toolbar with icons for running and debugging, and a bottom status bar showing the current line and column.

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OUTPUT :



| | WPM | CPM | ACCURACY(In %) | REMARKS |
|--------|------|-------|----------------|--------------------------|
| EASY | 4.0 | 20.0 | 83.33 | GOOD,BUT STILL BOOM IT ! |
| MEDIUM | 37.0 | 186.0 | 86.67 | GOOD,BUT STILL BOOM IT ! |
| HARD | 36.0 | 184.0 | 100.0 | AWESOME ,WELL DONE ! |

CONCLUSION:

The successful implementation of the TYPING SPEED CALCULATOR is done as per following the use of WPM(WORDS PER MINUTE) , CPM(CHARACTERS PER MINUTE),ACCURACY of the typed words. The project uses the efficient use of java and advanced java concepts to develop this project into final successful result.

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