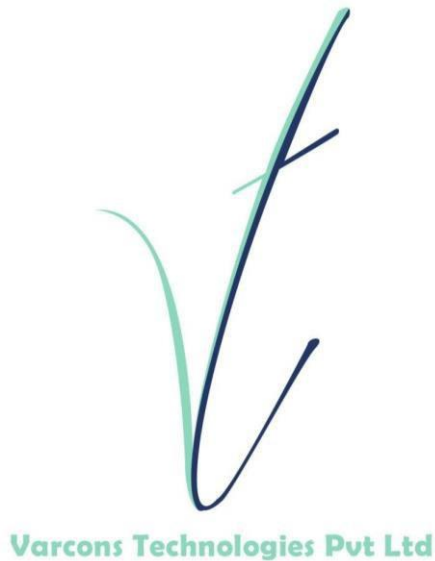


# **PROJECT 1 : TYPING SPEED CALCULATOR**



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## **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 what not.

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 favour received from every person.

## ABOUT THE COMPANY:

Varcons Technologies Pvt Ltd is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At VCT, we believe that service and quality is the key to success.

We provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that you may have. Experience the service like none other!

Some of our services include:

**Development** - We develop responsive, functional and super-fast websites. We keep User Experience in mind while creating websites. A website should load quickly and should be accessible even on a small view-port and slow internet connection, We develop sophisticated customisable softwares using Java and other programming Languages as per the clients needs'

**Mobile Application** - We offer a wide range of professional android, iOS & Hybrid app development services for our global clients, from a start up to a large enterprise.

**Design** - We offer professional Graphic design, Brochure design & Logo design. We are experts in crafting visual content to convey the right message to the customers.

**Consultancy** - We are here to provide you with expert advice on your design and development requirement.

**Videos** - We create a polished professional video that impresses your audience

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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.**

### **ADVANTAGES:**

1. It Saves your Time.
2. Enables you to focus on your ideas.
3. It helps to communicate more Efficiently .
4. It is used to prepare for your future carrier.
5. It increases the typing speed.

### **CHALLENGES:**

1. Team conflict.
2. Scope creep.
3. Setting clear goals and objectives.
4. How to deal with communication issues.

# **SOFTWARE AND HARDWARE REQUIRMENTS 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 sound card

## **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:

```
package typingcalculator1;

import java.time.LocalDate;
import java.time.LocalDateTime;
import java.util.Locale;
import java.util.Random;
import java.util.Scanner;
import java.util.concurrent.TimeUnit;

public class typingcalculator1 {
    static String [] words= {"envelope", "cantelope", "the", "hello", "microphone", "elephant", "biscuit", "hammer",
"went", "cap"};
    public static void main(String[] args) throws InterruptedException {
        System.out.println("3");
        TimeUnit.SECONDS.sleep(1);
        System.out.println("2");
        TimeUnit.SECONDS.sleep(1);
        System.out.println("1");
        TimeUnit.SECONDS.sleep(1);
        Random rand = new Random();
        for(int i=0;i<10;i++) {
            System.out.print(words[rand.nextInt(9)] + " ");
        }
        System.out.println();

double start =LocalTime.now().toNanoOfDay();

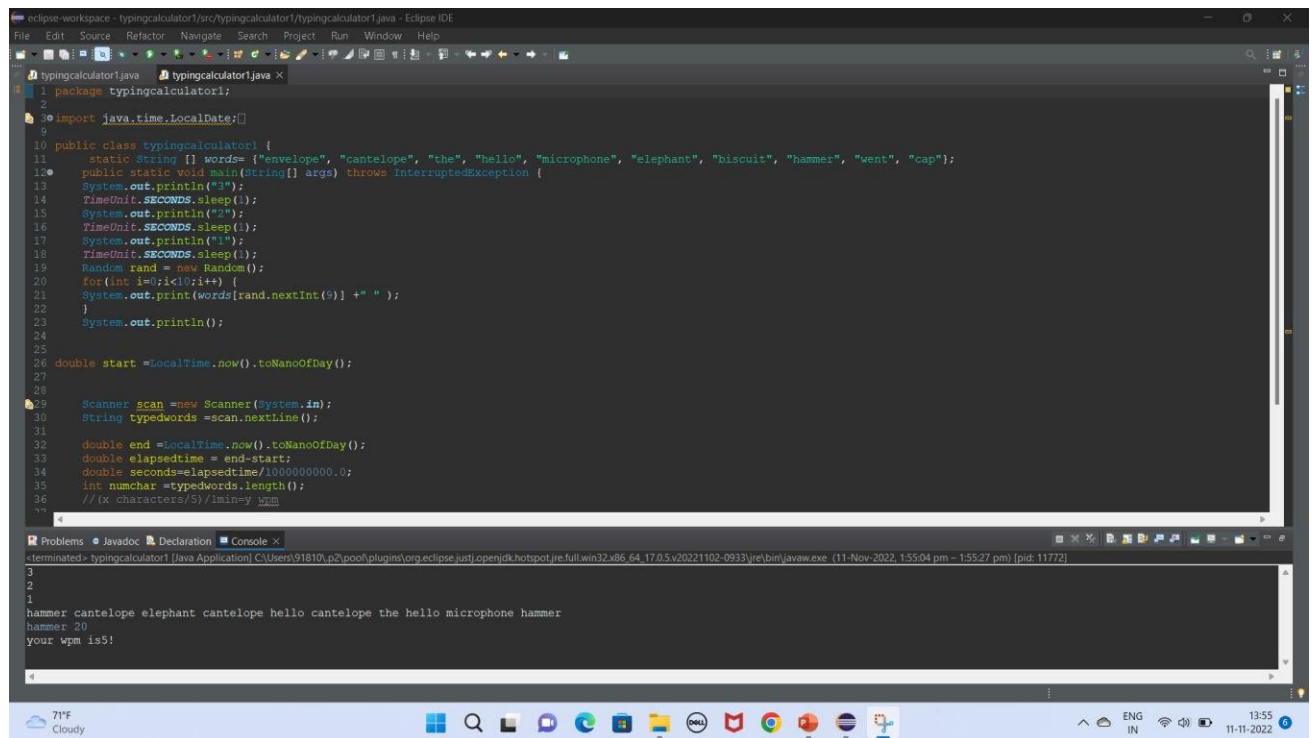
        Scanner scan =new Scanner(System.in);
        String typedwords =scan.nextLine();

        double end =LocalTime.now().toNanoOfDay();
        double elapsedtime = end-start;
        double seconds=elapsedtime/1000000000.0;
        int numchar =typedwords.length();
        //(x characters/5)/1min=y wpm

        int wpm=(int) (((double) numchar /5)/seconds)*60);
        System.out.println("your wpm is"+wpm+"!");

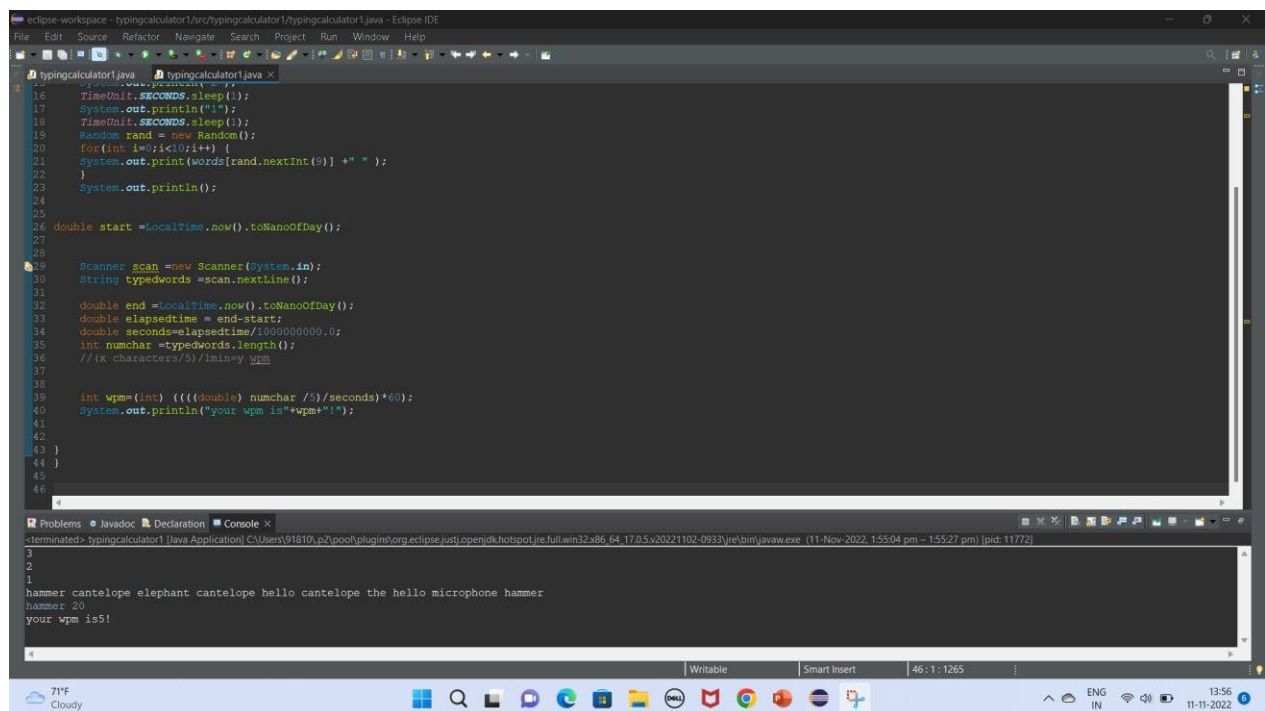
    }
}
```

## Project Name



```
1 package typingcalculator1;
2
3 import java.time.LocalDate;
4
5 public class typingcalculator1 {
6     static String [] words {"envelope", "canelope", "the", "hello", "microphone", "elephant", "biscuit", "hammer", "went", "cap"};
7     public static void main(String[] args) throws InterruptedException {
8         System.out.println("1");
9         TimeUnit.SECONDS.sleep(1);
10        System.out.println("2");
11        TimeUnit.SECONDS.sleep(1);
12        System.out.println("1");
13        TimeUnit.SECONDS.sleep(1);
14        Random rand = new Random();
15        for(int i=0;i<10;i++) {
16            System.out.print(words[rand.nextInt(9)] + " ");
17        }
18        System.out.println();
19
20        double start =LocalTime.now().toNanoOfDay();
21
22        Scanner scan =new Scanner(System.in);
23        String typedwords =scan.nextLine();
24
25        double end =LocalTime.now().toNanoOfDay();
26        double elapsetime = end-start;
27        double seconds=elapsetime/1000000000.0;
28        int numchar =typedwords.length();
29        // (x characters/5)/1min=y wpm
30    }
31}
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```

3  
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1  
hammer canelope elephant canelope hello canelope the hello microphone hammer  
hammer 20  
your wpm is5!



```
1 package typingcalculator1;
2
3 import java.time.LocalDate;
4
5 public class typingcalculator1 {
6     static String [] words {"envelope", "canelope", "the", "hello", "microphone", "elephant", "biscuit", "hammer", "went", "cap"};
7     public static void main(String[] args) throws InterruptedException {
8         System.out.println("1");
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28        int numchar =typedwords.length();
29        // (x characters/5)/1min=y wpm
30
31        int wpm=(int) (((double) numchar /5)/seconds)*60;
32        System.out.println("your wpm is"+wpm+"!");
33    }
34}
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```

3  
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1  
hammer canelope elephant canelope hello canelope the hello microphone hammer  
hammer 20  
your wpm is5!



## **CONCLUSION:**

Typing Speed calculator which is done by Java code is been executed easily. We could find out net WPM calculation by measuring Typing speed as apposed to the gross WPM computation. Java project provides rigorous compile time

Error on checking typically associated with Pascal allowing instructor to introduce Students to GUI programming, Networking, threads and other important concepts used in modern day software.

Overall, the Java project gives a complete design for the extended language.

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