PROJECT 1 : TYPING SPEED CALCULATOR

Varcons Technologies Pvt Ltd

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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 C0MPANY:

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:

*** I have gained some experience while completing this project.**

*I have learnt solving the difficulties while completing the project.

*It has also developed my social networking.

Challenges:

* The assigned project has pushed me to test my skills that are learnt

during the online sessions.

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: Typing Speed Calculator

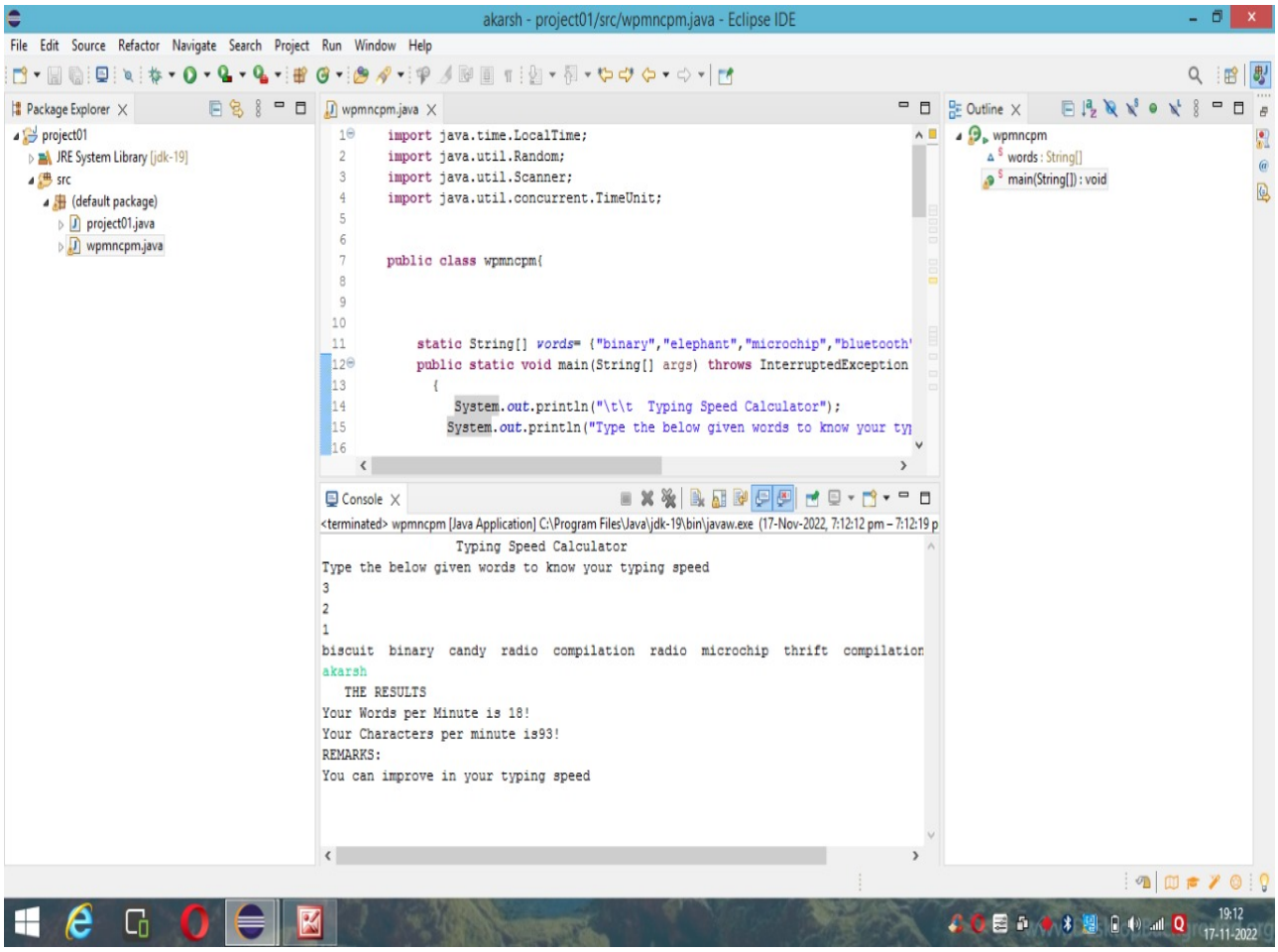
```
 import java.time.LocalTime;
import java.util.Random;
import java.util.Scanner;
import java.util.concurrent.TimeUnit;


public class wpmncpm{
static String[] words=
{"binary","elephant","microchip","bluetoot
h","compilation","thrift","radio","biscuit","c
andy","watch"};
        public static void main(String[] args)
throws InterruptedException
          {
            System.out.println("\t\t  Typing
Speed Calculator");
            System.out.println("Type the
below given words to know your typing
speed ");

            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
numChars=typedwords.length();
                int cpm=(int)
((((double)numChars)/seconds)*60);
                int wpm=(int)
((((double)numChars/5)/seconds)*60);
                System.out.println("   THE
RESULTS");
                System.out.println("Your
Words per Minute is " +wpm+ "!");
                System.out.println("Your
Characters per minute is" +cpm+"!");


    System.out.println("REMARKS:");
```

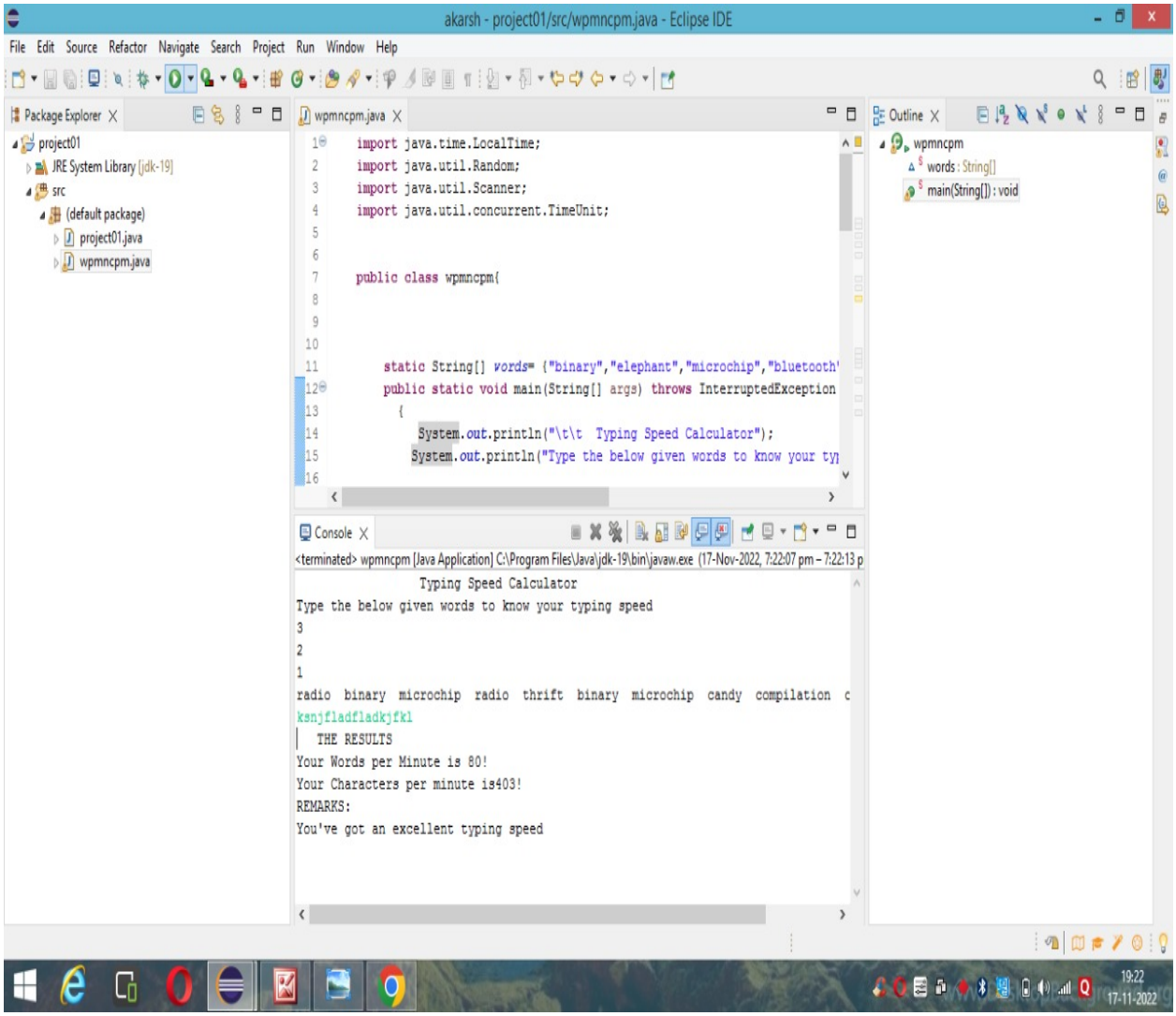
```
                    if (wpm>=60)

        System.out.println("You've got an
excellent typing speed");


                    else
if(wpm>=30&&wpm<=59)

        System.out.println("Your typing
speed is good");

                    else
        System.out.println("You can
improve in your typing speed");


        }
```

}



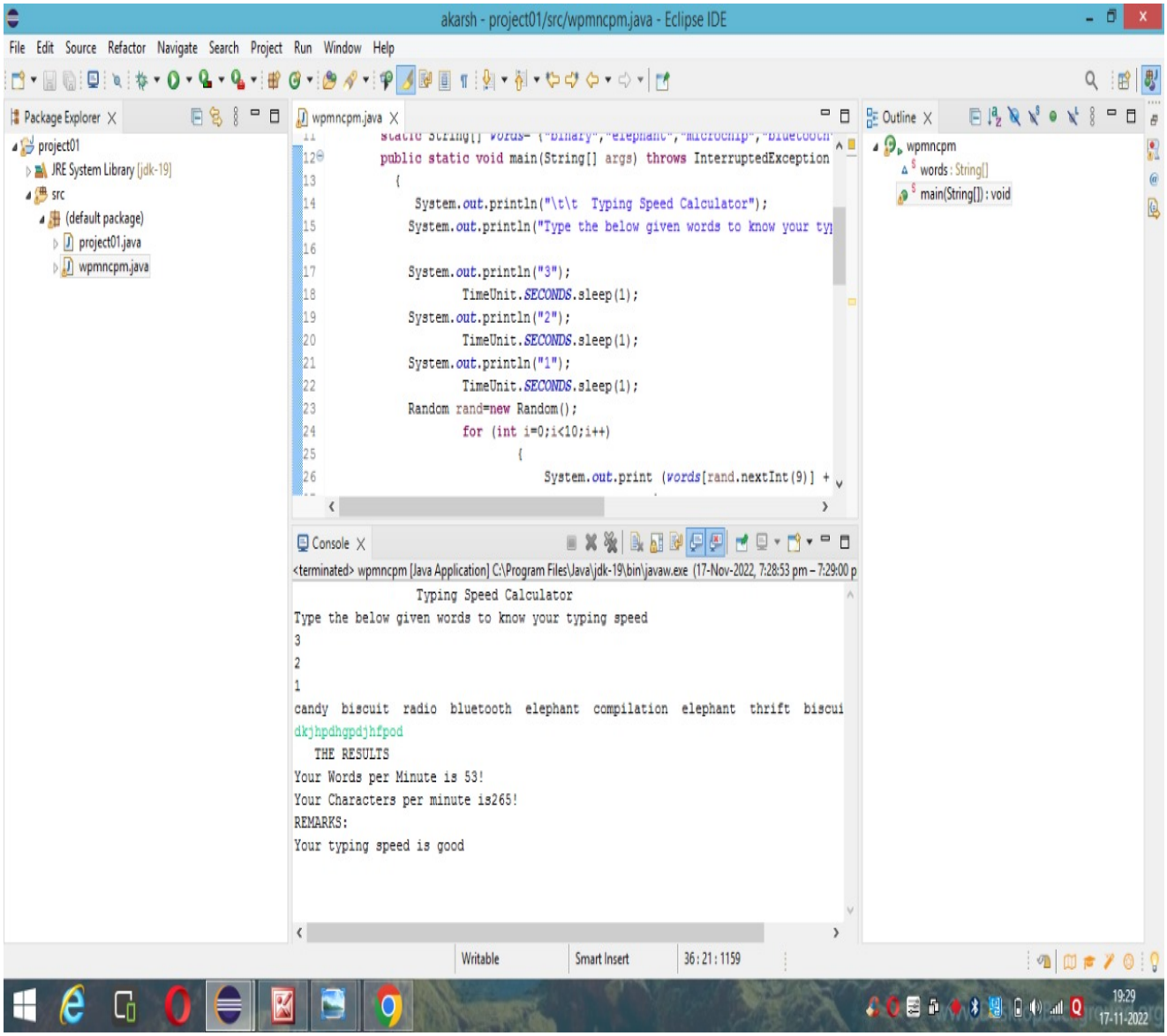
THE OUTPUT-01

Project Name



THE OUTPUT -02

Project Name



THE OUTPUT-03

CONCLUSION:

From the assigned project i,e Typing Speed Calculator it has helped to gain the knowledge. My skills has developed more than earlier. And I have earned some experience while solving the difficulties that has arised during the completion of this project.

Now onwards if I get opportunities in future I will perform much efficiently in upcoming projects.

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