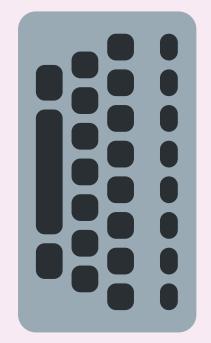


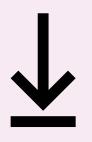
JAVA PROJECT.MAY.14,2020

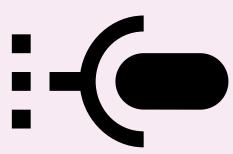
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TEXT TO SPECH

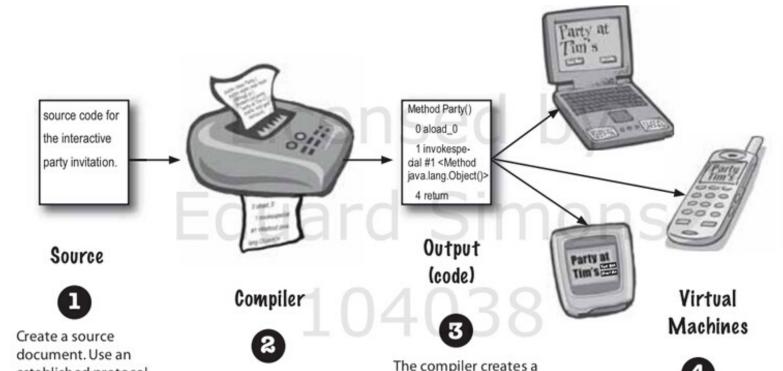
USING JAVA PROGRAMMING LANGUAGE on NETBEANS IDE SOFTWARE USED- FreeTTS







PRESENTATION HIGHLIGHTS



established protocol Run your document (in this case, the Java through a source code compiler. The compiler checks for errors and won't let you compile until it's satisfied that everything will run

correctly.

language).

new document, coded into Java bytecode. Any device capable of running Java will be able to interpret/translate this file into something it can run. The compiled bytecode is platformindependent.

Your friends don't have a physical Java Machine, but they all have a virtual Java machine (implemented in software) running inside their electronic gadgets. The virtual machine reads and runs the bytecode.

FOCUS AREAS

- Defining the JAVA
- Objective of TEXT to SPEECH
- How Text to Speech works showed using flowchart
- Text to Speech snippets
- How the JFrame look?
- References
- Team members

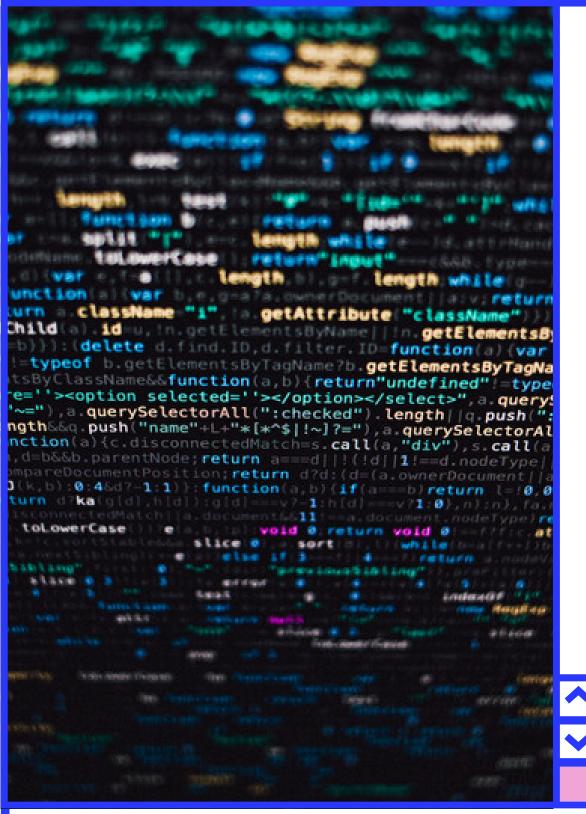
DEFINING JAVA

Java is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day. Java is fast, secure, and reliable. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!



JAVA PROJÆCT · MAY.14, 2020

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OBJECTIVE OF PROJECT

Text-to-speech (TTS) is a type of assistive technology that reads digital text aloud. It's sometimes called "read aloud" technology. TTS can take words on a computer or other digital device and convert them into audio. TTS is very helpful for kids who struggle with reading, but it can also help kids with writing and editing, and even focusing. The aim of the project is to help persons having learning disabilities or visually challenged. It also prevents eye from strain, and user can sit and listen comfortably.

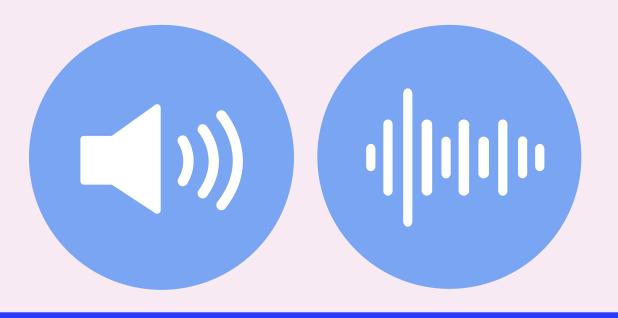


CAN BE USED FOR VISUALLY DISABLED PEOPLE.

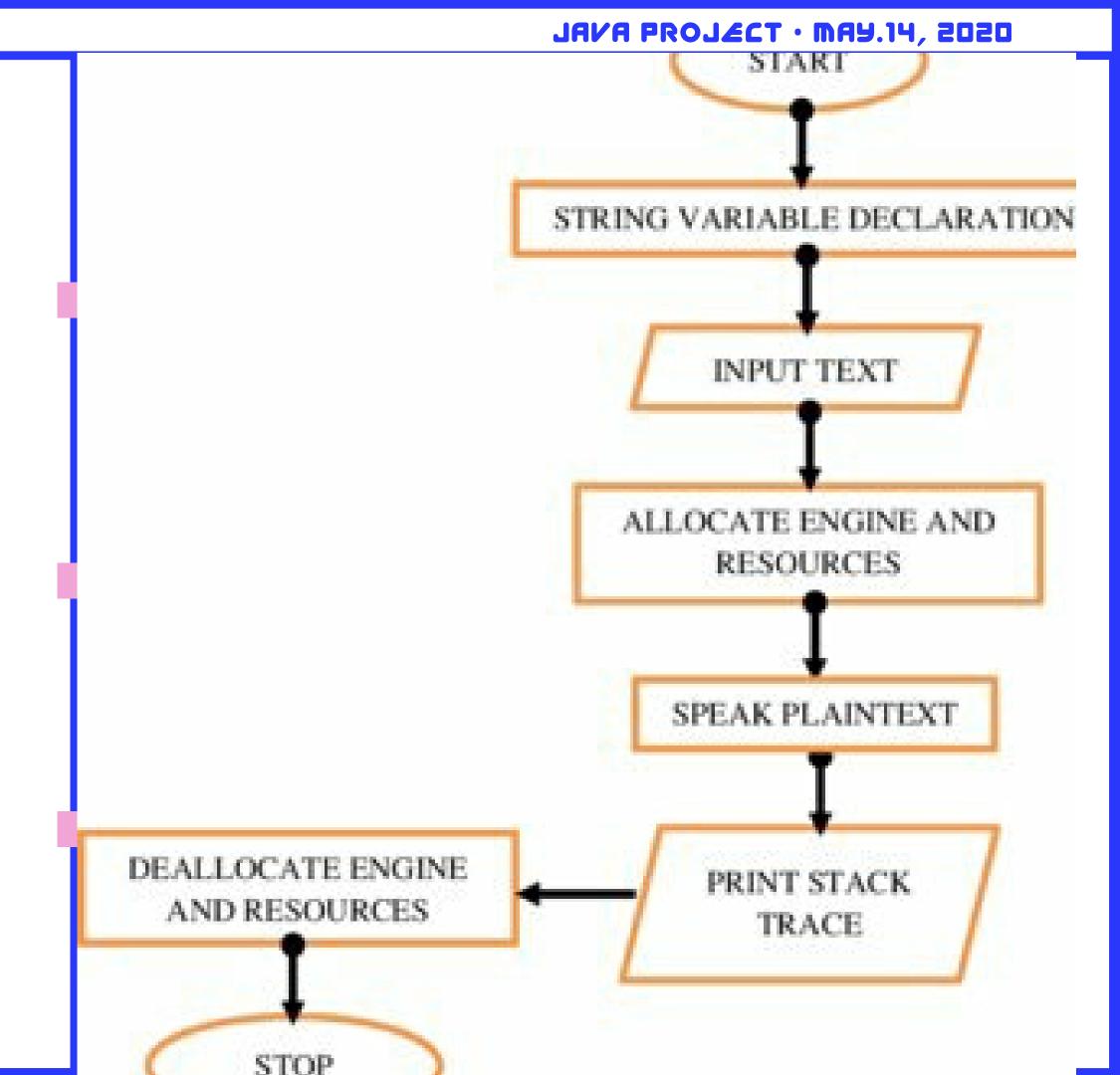
CAN BE USED IN LEARNING PRONUNCIATIONS.

CAN BE USED AS REMINDERS IN OFFICES, HOUSES.

VOICE OPERATING MODE IN SMARTPHONE.



DETAIL IN FLOWCHART



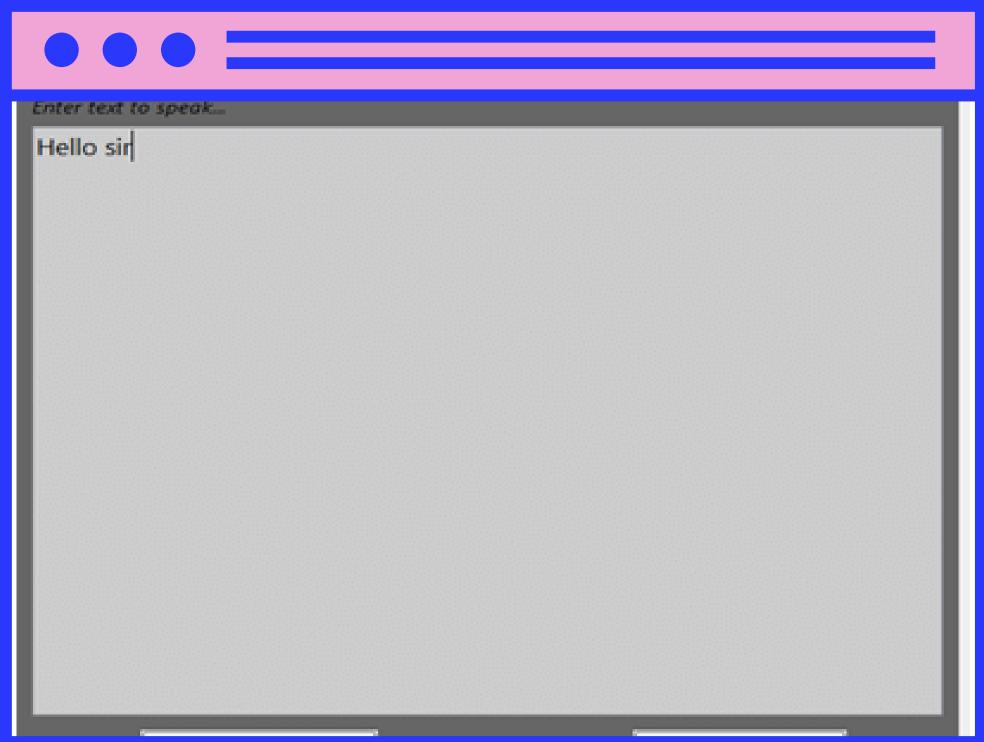
SNIPPETS

PACKAGES USED

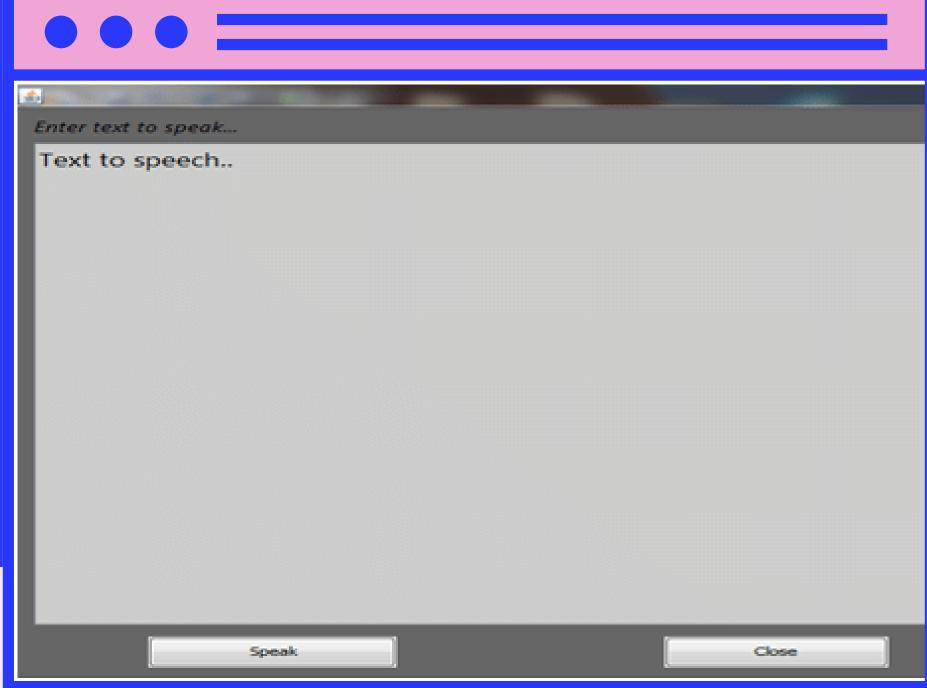
```
import java.util.Locale;
import javax.speech.Central;
import javax.speech.synthesis.Synthesizer;
import
javax.speech.synthesis.SynthesizerModeDesc;
import javax.speech.synthesis.Voice;
```

EXCEPTION HANDLING

```
try
 synth.speakPlainText(text, null);
 synth.waitEngineState(Synthesizer.QUEUE_EMPT
 Y);
 // synth.deallocate();
 //uncomment above if only want to speaking once
    catch(Exception ex)
String message = " missing speech.properties
in " + System.getProperty("user.home") + "\n";
System.out.println(message);
```

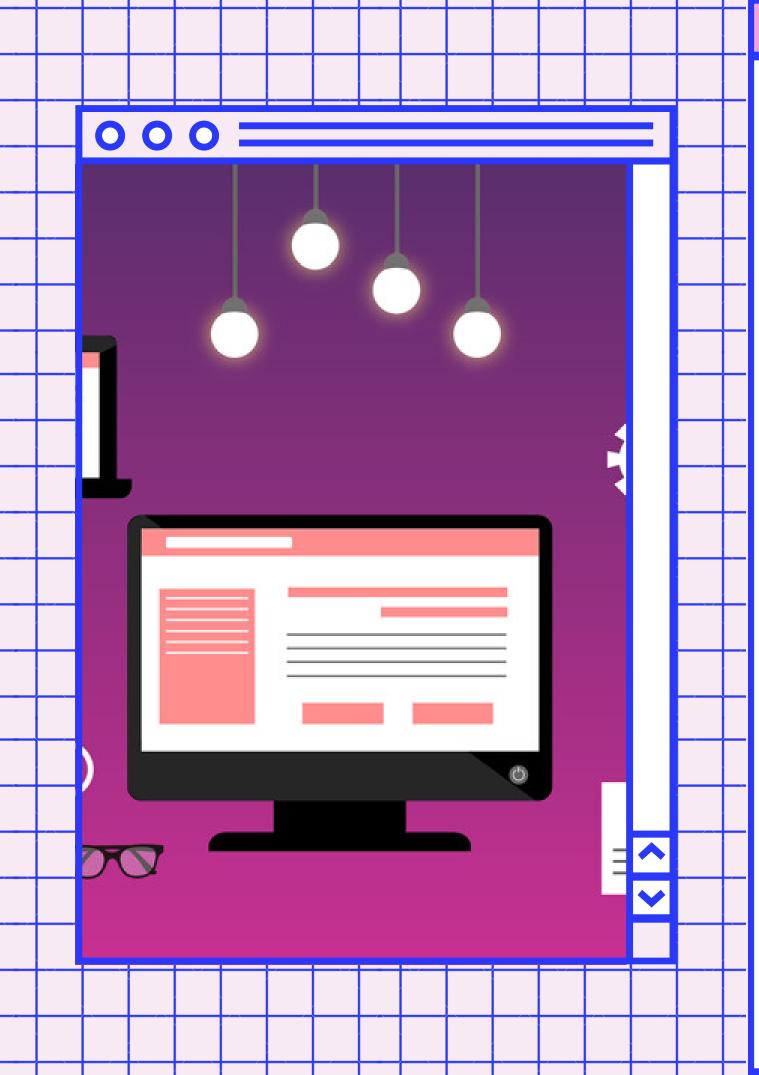


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TEXT WHICH CONVERT INTO SPEECH

JFrame created



FEW REFERENCES

CONCEPTS AND CHALLENGES

www.geeksforgeeks.com

IDEAS

www.tutorialfeield.com



TEAM MEMBERS

ANUSHA AGARWAL (190018)

LAVINA GARG(190051)

SIDDHI BANSAL (190084)

THANK YOU!!

