Java & Netbeans 20 Time

## Slide 1

I decided to do my project on the Java programming language and the Netbeans IDE to go with the language.

## Slide 2

This is the timeline of my 20 Time projects. I started with a programming language called SystemVerilog, which is used to test hardware. I quickly switched to using apache poi, a library for java. I was going to use this library for a program for guidance. Nearing the end of the 20 Time I realised I need to switch to something basic. Learning Java and the Netbeans IDE.

## Slide 3

In my stream of projects. I could not complete my other projects due to their complexity and unrealistic amounts of work. SystemVerilog was my first project, I switch because of its complexity. Apache poi was my second project and I stopped it due to the amount of work required. This ultimately lead me to the realistic goal that apache poi was based off of.

## Slide 4

My final project had a few goals. These were learning basics of java and netbeans and a possibility of learning advanced java and creating a GUI. I considered my project a success if I accomplished the basics of java and netbeans. The time I had left to complete the project limited me to the ultimate goal of learning everything java and netbeans has to offer.

## Slide 5

I reached success in this project. I finished learning basics of both java and netbeans. This included: if statements, variables, for loops, classes, functions and data types for java. In addition, for netbeans it included: creating a project, opening multiple files and editing the code.

## Slide 6

To go into details about part of my project, here are the basics of netbeans

## Slide 7

First, you need to understand how to create a new project. First you will go to file, then New Project. You will also notice File is where you can file the Open Project and New File buttons. Next you will get a File Type screen, and you simply click java and java application. Lastly, you must name and set a location for the project.

## Slide 8

Here is an overview of the netbeans screen. I have highlighted the important parts.

## Slide 9

There were some things that did not work. Learning the advanced java concepts and GUI was to complex for the time I was working with. I have listed some of the advanced java concepts I would have liked to learn.

## Slide 10

I realized a few things in this project. I have figured out that object oriented programming is essential because I fully understand the impact it can have on your code. I have also realized there are tons of programming concepts out there with applications everywhere. We have only touched the surface. Lastly, I have noticed how you can expand on concepts and that many known programming concepts are simply a slight expansion on a concept that already exists.

## Slide 11

Continuing the reflection. I have realized with the amount of projects changed I did, to look before you leap.

## Slide 12

To sum up. My project was a massive success, I have learned a new programming language with many, many opportunities. I have learned how to figure out programming from online text resource to a better ability. Lastly, I understand and appreciate what it takes to be a good programmer.

## Slide 13

Not everything worked in my project. I failed my other 20 time idea, I also failed to learn more advanced topics in java and I did not learn the GUI in netbeans using java.