DrBracket
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Final Project Proposition

We will be creating a basic programming language and interpreter written in Java. The language is a purely procedural language called *Impulse Language (*file extension *.ipl)*. Each procedure will be contained within a file, and any given file cannot hold the body of more than one procedure. However, a file can use and call procedures from other files. Code examples are given below:

add2.ipl

```
param addend1
param addend2

return addend1 + addend2
```

callfrom.ipl

```
use add

param addend1;
param addend2;
param addend3;
param addend4;

res res1 = add(addend1 addend2)
res res2 = add(addend3 addend4)
res res = add(res1 res2)
return res
```

Our goal is to create an interpreter and several base procedure libraries (for math, networking, file system, etc). While the original goal we had was to create a text editor, we can do that after this novel programming language is created.

Data types and structures provided will include (and will be implemented in this order, depending on time constraints):
- Number (held in Java doubles)
- String
- Boolean
- Object

Made with:

Vscode
azure
ubuntu GitHub
Microsoft Teams
StackOverflow googlesearch
python VI