

Mastery DigitsExtractor Error Log

Credit Name: CSE 2110 Procedural Programming 1

Assignment Name: Mastery DigitsExtractor

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

Error

The error I made in this program was thinking that choice could be declared inside of the loop. I thought this, because contrary to the MySavings program the choice iterations did not need to be saved. Using this logic I put the choice variable inside of the loop, however as you can see this doesn't work because the while restriction of the do-while loop relies on choice. For while to be able to use choice as a restriction it has to be declared outside of the loop, hence why I switched it back.

When choice is inside of the loop

```
do {  
  
    int choice; // Declare the integer variable choice  
    // Display the menu of options (0-4)  
    System.out.println("\nChoose an option:"); // Pro  
    System.out.println("1 whole number"); // // Onti
```

You get an error in the while restriction.

```
} while (choice != 0);
```

This is the error message I would get.

```
<terminated> DigitsExtractor [Java Application] C:\Users\hleet\p2\pool\plugins\org.eclipse.justj.openjdk.hot  
Exception in thread "main" java.lang.Error: Unresolved compilation problem:  
    choice cannot be resolved to a variable  
  
    at chapter7/digits.DigitsExtractor.main(DigitsExtractor.java:39)
```

To fix this I simply put the choice variable back outside of the loop so that the while restriction worked properly.

```
int choice; // Declare the integer variab
```

```
// Begin the do-while loop
```

```
do {
```

```
    // Display the menu of options (0-4)
```