

What (all) is wrong with this code? Focus on usage of variables.

```
public class Variables {
    private static String invalid = "INVALID";
    private static String [] args;

    public static String handleIt(String argString) {
        args = argString.split(" ");
        return handleArgs();
    }

    public static String handleArgs() {
        int strLength;
        for (int i = 0; i < args.length; i++) {
            strLength = args[i].length();
            if (strLength > 5) {
                return args[i] + ": " + strLength;
            }
        }
        return invalid;
    }
}
```

Below is a improved version of the code based on the fixes suggested. There are several issues that should be fixed but disappears in the final version such as changing the name of invalid to INVALID since the variable disappears in the final version. In the new version the names are improved and the scope of the variables is also improved. The code does not quite have the same interface but presents a better design for the apparently desired functionality.

```
public class ArgumentParser {
    public static final int SHORT_LENGTH = 5;

    public static String getFirstLongArgWithLength(String argsString) {
        final String argsArray = argsString.split(" ");
        return handleArgs(argsArray);
    }

    public static String getFirstLongArgWithLength(String [] argsArray) {
        for (String argument : argsArray) {
            int strLength = argument.length();
            if (strLength > SHORT_LENGTH) {
                return argument + ": " + strLength;
            }
        }
        return null;
    }
}
```