

## Objectives

- Write a program that takes multiple types of data input from the keyboard and print the required output
- Implement and apply checkstyle to code generated

## Task 1

1. Create a folder on your local machine for your Java program, you can name it whatever you like
2. Start Visual Studio Code (VS Code)
3. In VS Code, Open that newly created folder.
4. Create a file and save it with the name `BasicIOProgram.java`
  - make sure your file name has the exact capitalization as above, Java is a case-sensitive programming language

## Task 2

1. Install the CheckStyle Plugin into IntelliJ

Use the following [Directions](#) for installing checkstyle plug-in

## Task 3

1. Complete a program called **BasicIOProgram** that will read input of different data types from standard input and produce the required output to standard output. Your code is to replicate the input and output shown below and be flexible for other input.
2. Test your program by providing different inputs

## Tips

- Start with the HelloWorld examples from lectures lab 1
- What does the **BasicIOProgram.java** file need to contain so it will execute?
- What Java statements do we use for output? (print/println/printf)
- How do we get input from the user? (Scanner)

## Example

The input (this data you type on the keyboard) is shown in blue.

```
Enter two whole numbers
separated by one or more spaces:
  42    43
You entered 42 and 43
Next enter two numbers.
A decimal point is OK.
  9.99 21
You entered 9.99 and 21.0
Next enter two words:
plastic spoons
You entered "plastic" and "spoons"
Next enter a line of text:
May the hair on your toes grow long and curly.
You entered: "May the hair on your toes grow long and curly."
```

## Task 4

Submit your program (**BasicIOProgram.java**) to Gradescope. If needed, use the directions from lab 1 as reference on how to submit.