Problem:

FizzBuzz.

Problem Definition:

Print the numbers 1..100.

For multiples of 3, print "Fizz" instead of the number.

For multiples of 5, print "Buzz" instead of the number.

For multiples of 3 and 5, print "FizzBuzz" instead of the number.

Sample Solution:

```
public class Main {
	public static void main(String[] args) {
		fizzBuzz(100);
	}
	private  static void fizzBuzz(int num){
		for(int i=1;i<=num;i++){
			if(i%3==0&&i%5==0){
				System.out.println(" FizzBuzz");
			}else if(i%3==0){
				System.out.println(" Fizz");
			}else if(i%5==0){
				System.out.println(" Buzz");
			}else{
				System.out.println(i);
			}
		}
	}
```

Conversation:

I used the sample solution for two reason first, it was the first solution that came to mind. Second it is a quick and easy solution that satisfies all the requirements but most people would say a solution like this leaves a funny taste. When you think about this problem in a larger scope it becomes messier to refactor. Let’s pretend there where thousands of test cases and we decided to use the same software but instead of the number 3 we wanted to test against the number six, we would then need to correct thousands if lines and if we missed one then our data

would be faulty and if we happened to notice the issue, finding which line had a problem could be troublesome. So there is room for improvement.