

### P1 - Compute the maximum of 3 numbers

```
int max(int firstNumber, int secondNumber, int thirdNumber){
    if(firstNumber <= thirdNumber && secondNumber <= thirdNumber){
        return thirdNumber;
    } else if (firstNumber <= secondNumber && thirdNumber <=
secondNumber) {
        return secondNumber;
    } else {
        return firstNumber;
    }
}
```

### P2 - Compute the greatest common divisor of 2 numbers

```
int gcd(int firstNumber, int secondNumber) {
    while(firstNumber <> secondNumber){
        if(firstNumber < secondNumber) {
            secondNumber = secondNumber - firstNumber;
        } else {
            firstNumber = firstNumber - secondNumber;
        }
    }
    return firstNumber;
}
```

### P3 - Compute the sum of n numbers, computer the max/min of n numbers

```
// A comment
## Also a comment

int sum(array<int> numbers) {
    int sum = 0;
    for(int i < numbers.size(); i++){
        sum += numbers[i];
    }
    return sum;
}
```

## P1Error - SyntacticErrors

```
int max(int firstNumber, int secondNumber, int thirdNumber) {
    int max = +0; // invalid integer
    string message = "The max number is; //error: no closing " for
string

    if (firstNumber <= thirdNumber && secondNumber <= thirdNumber) {
        max = thirdNumber;
    } else if (firstNumber <= secondNumber && thirdNumber <=
secondNumber) {
        max = secondNumber;
    } else {
        max = firstNumber;
    }
    print(message, max);
}
```