

Assignment 2

1

- Write a function that sums up the numbers from 1 to n (n is a int parameter of the function).

```
public static int getSumFrom1ToN(int n) { ... }
```

$$\sum_{i=1}^n i$$

2

- Write a program that reads in integer values from the user and sums them up. Input of 0 ends the user inputs.

```
public static void readAndSumInts() { ... }
```

eg.

Input: 3

Input: 8

Input: 2

Input: 0

Output: sum is 13

3

- You have to design the code such that the user has only three tries to guess the correct pin (4-digit) of the account. You set the pin as a constant with a final attribute. When correct display “Correct, welcome back.” When incorrect display “Incorrect, try again.”. When ran out of tries display “Sorry but you have been locked out.”

4

- Write a function that determinates if a given number (parameter) is a prime or not

```
public static boolean isPrime(int n) { ... }
```

5

- Write a function that returns the max value of a given int[] (parameter)

```
public static int getMax(int[] numbers)
```

- Test the function with the following arrays:
 - int[] numbers = {55, 48, 1, 0, 94, 25, 8}
 - int[] numbers = {0, 546, -34, 132, 99}