

Sheet 4

- 1- **SayHello** and **SayGoodbye** are functions that you must define and that will be called from inside Main **sayHello** should print "hello there!" and **sayGoogbye** should print "good bye".
- 2- Modify the last two methods to **accept the name** of the person you want to say hello, goodbye to.
- 3- **Sum** is a function that you must define and that will be called from inside Main. it must **accept two integers** as parameters, and it must return an integer number (the sum of those two numbers).
- 4- **CountSpaces** is a function that you must define and that will be called inside Main, it must **accept a string** as a parameter, and it must return an integer number (the amount of spaces in that string).
- 5- Create a function named **"IsPrime"**, which receives an integer number and returns true if it is prime, or false if it is not.

- 6- Create a function named "**reverse**", which receives an integer number and returns the reverse of it for example "1234" is the reverse of "4321".
- 7- Create a method named "**reverse**" which receives a string and return the reverse of it for example "asd" is the reverse of "dsa".

Extra Exercises

- 1- Write a program that take integer inputs from user until he/she presses q (Ask to press q to quit after every integer input). Print average and product.
- 2- Write a java program that reads in a continuous string text.

Your algorithm should calculate and print:

- a. The number of times 'c' and 'C' is input.
- b. The number of times 's' and 'S' is input.