**TASK 1**

*Part 1*

Create a function that returns bigger number of two biggerNumber(a, b)

*Examples*

biggerNumber(1, 3) ⟞ 3

biggerNumber(6, 3) ⟞ 6

*Notes! ->* Input is a positive integer.

*Part 2*

Create a function that calculates the number of different squares in an n * n square grid.

*Examples*

numberSquares(2) ⟞ 5

numberSquares(4) ⟞ 30

numberSquares(5) ⟞ 55

*Explanation*

* If n = 0 then the number of squares is 0 If n = 1 then the number of squares is 1 + 0 = 1

* If n = 2 then the number of squares is 2^2 + 1 = 4 + 1 = 5

* If n = 3 then the number of squares is 3^2 + 5 = 9 + 5 = 14

*As you can see, for each value of n the number of squares is n squared + the number of squares from the previous value of n.*

*Notes! ->* Input is a positive integer.

**TASK 2**

Export module functions numberSquares(n), biggerNumber(a, b)

**TASK 3**

In a separate file import(require) previously created functions. Create user input sequence asking user to provide values for functions. Print result in console output.

*Example*

Please enter numbers two numbers to be compared (separated by enter)

1

2

Result : 2 is bigger number.

Please enter a number N to see how many squares can fit in N * N square grid

3

Result is 14 squares

*Optional* User can select witch function to execute

**TASK 4**

In same file as TASK 3 save the results that were calculated.

*Example results.txt*

biggerNumber(1, 2) = 2

numberSquares(3) = 14

*Note*

In case if Optional point from previous task (TASK 3) results.txt will contain one result by default.

**TASK 5**

Add tests for numberSquares(n), biggerNumber(a, b) Number of tests is free of choice