

MAT 331-Fall 20: Homework 1

Exercise 1. (a) Write a function `hello()` which prints the following bolded text onto the screen:

Hello world!

(b) Write a function `reply_to()` which prints the following bolded text onto the screen:
The user replied: "Hello, this is a first time I talk to a computer this way"

(c) Write a function `nice_break()` which prints the bolded text below with a break line.
Nice to meet you.
And the user replied: "Likewise".

Exercise 2. For this exercise, you will need to put in your code the following lines:
`from random import *`

(a) Write a function `my_sum(a,b)` that takes two integers `a,b` and returns the sum `a + b`.

(b) Find from the documentation <https://docs.python.org/3/library/index.html> a function that chooses a random integer between two numbers.

(c) Write a function `random_sum()` that chooses two integers `a,b` randomly between 0 and 100, compute its sum `c` then prints:

The sum `a + b` is equal to `c`.

For example if `a = 1, b = 4`, then the function will print:

The sum `1 + 4` is equal to `5`.

Exercise 3. (a) (2 pts) Write a function `modulo(a,b)` that takes two integers `a` and `b` and returns the rest of the euclidean division of `a` by `b`.

(b) (2 pts) Write a function `div(a,b)` that takes two integers `a` and `b` and returns the quotient of the euclidean divisor of `a` by `b`.