Submission:

- You must submit all your work in one "jupyter notebook" with your Name and ID in the first cell. Then upload your notebook file into the JUST *e-learning* system.

Requirements:

- Install Anaconda Python on your machine, download it from: www.anaconda.com/products/individual
  Note: make sure to download jupyter notebook from the anaconda navigator

1. [10 Points] Write one jupyter cell to evaluate all of the following expressions, make sure to run the cell before submission.

Expression	Result
`2 * 3 =`	
`2 ** 3 =`	
`2 + 2 * 5 =`	
`(2 + 2) * 5 =`	
`-4 - -4 - -4 =`	
`2 ** 2 ** 0 =`	
`(2 ** 2) ** 0 =`	
`4 // 2 =`	
`5 // 2 =`	
`5 // 2.0 =`	
`5.5 // 2.5 =`	
`4 / 2 =`	
`5 / 2 =`	
`5 / 2.0 =`	
`5.5 / 2.5 =`	
`5 % 2 =`	
`6 % 2 =`	
`8 % 3 =`	
`6.2 % 4 =`	
`-5 % 4 =`	

2. [10 Points] Write one jupyter cell to evaluate all of the following expressions, make sure to run the cell before submission.

Expression	Result
`3 < 5  =`	
`3 < 5 <= 10  =`	
`10 > 5 > 2  =`	
`10 > 5 > 7  =`	
`3 < 5 and 5 < 10  =`	
`not(True)  =`	
`not(0)  =`	
`not(True and False)  =`	
`bool(3+4) and True  =`	
`not(True)  =`	
`not(1)  =`	
`True and False  =`	
`True or False  =`	
`not True  =`	
`not not False  =`	
`not False and True  =`	
`not (False or True)  =`	
`True and False and True  =`	
`True or (False and True)  =`	
`False or ( -5 % 2 == 1)  =`	
`1 and 2  =`	
`3 > 2 > 0  =`	
`1 and 0  =`	
`bool(1 and 2)  =`	
`bool(5 and 0)  =`	

3. [10 Points] Write one jupyter cell to evaluate all of the following expressions, make sure to run the cell before submission.

Expression	Result
`float(4) =`	
`int(5.3) =`	
`float("4") =`	
`int("5") =`	
`int(True) =`	
`float(True) =`	
`int(False) =`	
`float(int(5.3)) =`	
`int(5.7) =`	
`float(7) // 4 =`	
`int(7 / 4) =`	
`6.2 and False =`	
`True and 6.2 =`	
`type(4.5) =`	
`type(3) =`	
`type(True) =`	
`type(False) =`	
`type(not 1) =`	
`type(not(0)) =`	
`type(True and 3) =`	
`type(None) =`	
`type([]) =`	
`type(()) =`	
`type({}) =`	
`type(NotImplemented) =`	
`type(bool()) =`	
`bool(10) =`	
`bool(0) =`	
`bool(-5) =`	