Lab Basic *(lecture 2)*

Please put everything into one Jupyter Notebook file (.ipynb) and submit it on Blackboard.

1. **Print the following text:**
   - Hello world!
   - Hello, 'word!
   - Hello word *(tab separated)*
   - Hello
     world
2. **Arithmetic operators and type conversion**
   Assume the following values: x=7, y=3, m='2.7'
   Print the following information:
   - The sum of x and y
   - The division of x by y
   - The division of x by y and only take the floor of the result
   - The remainder of x divided by y.
   - The type of m.
   - The sum of y and m (after type conversion)
3. **With your own input**
   Assign value of x and y during execution of the program (user input). Then print the sum of x and y, and the division of x by y.
4. **Comparison operators**
   a=10, b=7. Check whether each one of the following statements is true. Please label what is the comparison that you are executing.
   - a>b?
   - a equals b?
   - a not equal to b?
5. **Logical operator**
   Given the value of a and b in previous question, find out whether the following statement is true
   - Variable a is greater than or equal to b, and a is greater than 5
   - Variable a is less than or equal to b, or the value of a is greater than 5
   - What is the value of 'not a'?
6. **Precedence of operators**
   Given the value of a and b in previous question, evaluate each one of the expression, and then enter in Python to see if your calculation is correct:
   - (a+b)>15 or (a-b)< 8
   - (a+b)>15 or ((a-b)<8 and False)
   - a+b>15-2*2**4/4 and (not False)
7. **Modulus operator**
   Given an integer number during execution (user input), find the last two digits of this number.