MTH 337 Intro to Scientific computing
SAMPLE QUIZ #2

Fall 2020   Instructor: Simone Cassani

The Sample Quiz is for you to practice for the quiz that will be at the end of class on Monday on Gradescope.

(1) Given the variables `a='Hello '` and `b='World'`, write the code that produces the strings c='Hello World' and `d='Hello Hello World'` using only `a` and `b`

(2) Write the code that prints the variables `c` and `d` from question 1 using a single line of code.

(3) Write the code to compute the remainder of the division $75/6$

(4) Write the code to change the variable `foo=12` into a float

(5) Given the variable `myvar='12'`. Write the code that converts the variable to an integer, and that will print 'yes' if the converted number is less than 5 or 'no' if the number is more than 5.

(6) Write the code to import the `math` module with the nickname `m`

(7) Write the code that computes the natural logarithm of 22, and prints the result to screen

(8) Write a for loop that will check all of the numbers in the list `mylist` and will store all of the ones that can be divided by 5 in the list `pippo`.
Note: `pippo=[]` will create an empty list.

(9) Write the LaTeXcommands to produce $\dfrac{y^3}{b_n}$