

# MTH 337 Intro to Scientific computing

## SAMPLE QUIZ #2

Spring 2021

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 the code that creates the list `mylist` containig three strings, the strings should be the names of your top three favorite cities.
- (9) Write the L<sup>A</sup>T<sub>E</sub>X commands to produce  $\frac{y^3}{b_n}$