

# MTH 337 Intro to Scientific computing

## SAMPLE QUIZ #10

Fall 2020

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

- (1) Write the code that creates an empty set `set1`, and add the elements 'a', 'b', 'c' to it.
- (2) Assume the following code is run  

```
import requests
```

Write the code that returns the text at the address *<http://www.MTH337.edu/s.txt>* and stores it in the variable `s`
- (3) Write the code that will put in the list `mylist` all of the 5 letter words starting with 'r' in the string `s` from question 2
- (4) Write the code that will put in the list `myotherlist` all of the characters in the list `s` that are between 'href' and '>'. Use a non-greedy approach.
- (5) Given the sets `a={1,2,3}` and `b={3,4,5}` write the code that compute union of the two sets and saves into the variable `c`. Then write the code that removes all of the even elements of the set.
- (6) Write the code that given two sets `set1` and `set2` print the set which is a subset of the other.