

## Python: Regular Expressions Lab Assignment

- 1) Match a pattern of phone number xxx-xxx-xxxx and check if it matches 1123-456-7890
- 2) Write a Python program to check that a string contains only a certain set of characters (in this case a-z, A-Z and 0-9).
- 3) Write a Python program that matches a string that has an 'a' followed by zero or more b's.
- 4) Write a Python program that matches a string that has an 'a' followed by anything, ending in 'b'
- 5) Write a Python program that matches a string that matches a string of the format: A dollar sign, an arbitrary number of digits, a decimal point, 2 digits
- 6) Write a Python program that matches a string with a capital letter, followed by an arbitrary number of alphanumeric characters.
- 7) Write a Python program that matches a word at end of string, with optional punctuation (.)
- 8) Make a regular expression that will match an email. Example : [susan2015@example.com](mailto:susan2015@example.com), [python-list@python.org](mailto:python-list@python.org) and your iit email. Put these test cases in a list and the program should be able to iteratively check the emails