

Lab Exercise-4:

- (1) Demonstrate the implementation of the following object oriented concepts in python using any scenario of your choice:
 - (a) Creating a class with member variables and member methods
 - (b) Creating an object and accessing the class variables and methods
 - (c) Constructors

- (2) Implement the following Python regular expression concepts with examples
 - (a) Metacharacters: . ^ \$ * + ? { } [] \ | ()
 - (b) Special sequences: \d, \D, \s, \S, \w, \W
 - (c) Regex functions: search(), match(), findall(), split(), sub()

Evaluation Rubrics:

- Timely Submission (2 marks)
- Correctness of the program (2 marks)
- Complexity of the program (2 marks)
- Validation & Formatting (2 marks)
- Concept Clarity (Viva) (2 marks)