



Marathwada Shikshan Prasarak Mandal's
Deogiri Institute of Engineering and Management Studies, Aurangabad
Department of Computer Science and Engineering
Practical Experiment Instruction Sheet

Class: SYCSE

Lab No.:13,21

Course Code:
BTCOL406

Subject: Python Programming

Semester: IV

List of Experiments

Sr. No	Title of Experiment	Prerequisite of Experiment
1	Program to calculate area of triangle, rectangle, circle	Python Basic Concepts(Installation, Syntax,variable, datatypes)
2	a)Program to find the union of two lists b)Program to find the intersection of two lists	Concepts of list,Operations on Lists
3	Program to remove the “i” th occurrence of the given word in a list where words repeat	Built in Functions, Control flow structure
4	a) Program to count the occurrences of each word in a given string sentence, b)Program to check if a substring is present in a given string	Operation on Strings & Strings Functions
5	a)Program to map two lists into a dictionary b) Program to count the frequency of words appearing in a string using a dictionary.	Concepts of dictionary & built in functions
6	Program to create a dictionary with key as first character and value as words starting with that character	Operation on Strings & Strings Functions
7	Program to find the length of a list using recursion	Concepts of List & Loop
8	compute the diameter, circumference, and volume of a sphere using class	Concepts of class and objects
9	Program to read a file and capitalize the first letter of every word in the file.	Basic File Handling, Class object Concepts
10	Program to connect with databases using SQLite and perform add, delete, update and retrieve.	Basic Information about database

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