

| Department of CSE | | 5Th Semester- Python Programming Lab (Pr-3) | | |
|-------------------|---|---|-------------------------|------------------------|
| Sl No | Name of the Experiment | Name of the Lecturer/Demonstrator | No. of Periods Required | Duration of Completion |
| 1 | Introduction Brief History of Python, Python Versions, Installing Python | Biswaranjan Swain | Demonstration- 1 | 01.08.23 |
| | | | Note preparation- 1 | |
| | | | Fair record writing-1 | |
| 2 | Editing Python Files, Python Documentation, Getting Help Dynamic Types, Python Reserved | | Demonstration- 1 | 03.08.23 |
| | | | Note preparation- 1 | |
| | | | Fair record writing-1 | |
| 3 | Basic Python Syntax Basic Syntax, Comments, String Values, String Methods | | Demonstration- 1 | 08.08.23 |
| | | | Note preparation- 1 | |
| | | | Fair record writing-1 | |
| 4 | String Operators, Numeric Data Types, Conversion Functions Simple Output, Simple Input, The | | Demonstration- 1 | 10.08.23 |
| | | | Note preparation- 1 | |
| | | | Fair record writing-1 | |
| 5 | Language Components Indenting Requirements, The if Statement, Relational and Logical | | Demonstration- 1 | 17.08.23 |
| | | | Note preparation- 1 | |
| | | Fair record writing-2 | | |
| 6 | Collections Introduction, Lists, Tuples, Sets, Dictionaries, Sorting, Dictionaries, | Demonstration- 1 | 24.08.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 7 | Functions Introduction, Defining Your Own Functions, Parameters | Demonstration- 1 | 29.08.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 8 | Functions - "First Class Citizens", Passing Functions to a Function, map, filter, Mapping Functions in a | Demonstration- 1 | 31.08.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 9 | Modules Modules, Standard Modules - sys, Standard Modules - math | Demonstration- 1 | 05.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 10 | Exceptions Errors, Runtime Errors, The Exception Model, Exception | Demonstration- 1 | 07.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 11 | Input and Output Introduction, Data Streams, Creating Your Own Data Streams, | Demonstration- 1 | 12.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 12 | Writing Data to a File, Reading Data From a File, Additional File Methods, Using Pipes as Data | Demonstration- 1 | 14.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 13 | Classes in Python Classes in Python, Principles of Object Orientation | Demonstration- 1 | 26.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |
| 14 | File Organization, Special Methods, Class Variables Inheritance, Polymorphism | Demonstration- 1 | 28.09.23 | |
| | | Note preparation- 1 | | |
| | | Fair record writing-1 | | |

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| 15 | Regular Expressions Introduction, Simple Character Matches, Special Characters |
| 16 | Character Classes, Quantifiers, The Dot Character Greedy Matches, Grouping, |
| 17 | Match Objects, Substituting, Splitting a String |
| 18 | Compiling Regular Expressions, Flags |
| 19 | Create a string containing at least five words and store it in a variable. Print out the string. |
| 20 | Convert the string to a list of words using the string split method. |
| 21 | Sort the list into reverse alphabetical order using some of the list methods (you might need |
| 22 | Write a program that determines whether the number is prime. |
| 23 | Swap two integer numbers using a temporary variable. Repeat the exercise using the code format: a, |
| 24 | Find the largest of n numbers, using a user defined function largest(). |
| 25 | Write a function my Reverse() which receives a string as an input and returns the reverse of the |
| 26 | Check if a given string is palindrome or not. WAP to convert Celsius |
| 27 | Find the ASCII value of charades WAP for simple calculator |

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| Demonstration- 1 | 03.10.23 |
| Note preparation- 1 | |
| Fair record writing-1 | |
| Demonstration- 1 | 10.10.23 |
| Note preparation- 1 | |
| Fair record writing-1 | |
| Demonstration- 1 | 12.10.23 |
| Note preparation- 1 | |
| Fair record writing-1 | |
| Demonstration- 1 | 31.10.23 |
| Note preparation- 1 | |
| Fair record writing-1 | |
| Demonstration- 1 | 02.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 07.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 14.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 16.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 21.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 23.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 28.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |
| Demonstration- 1 | 30.11.23 |
| Rough record writing- 1/2 | |
| Fair record writing-1/2 | |