



# SIVA SIVANI DEGREE COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University)  
Kompally, Secunderabad - 100.



## Certificate

*This is to certify that this is the bonafide record of*

*Mr/Ms.....Bearing*

*Roll No.....Course.....*

*year.....carried out experiments in the*

*Lab.....during the academic year.....*

*Date.....*

**Head of the Department**

**Internal Examiner**

**External Examiner**





| WEEK -1   | Lab Exercise Programs | DATE:  |
|---|-----------------------|--|
| <ol style="list-style-type: none"><li>1. Write a python Program to display “welcome to Python”</li><li>2. <b>Program to display the information: Your name, Full Address, Mobile Number, College Name, Course Subjects</b></li><li>3. Write a program to demonstrate Comments in python.</li><li>4. Write a python Program to declare a variable and display value of it.</li><li>5. Write a python Program to Accept Input From a User and display it.</li><li>6. Write a Python program that prompts the user to input two numbers: one integer and one float.</li><li>7. Write a Python program that prompts the user to input two numbers: one integer and one float and Perform and display the results of the following operations: <b>a)</b> addition <b>b)</b> subtraction <b>c)division d)</b>floor division <b>e)</b> modulus</li></ol> |                       | <b>LAB FACULTY SIGN:</b><br><br><br><br><br><br><br><br><br><br><b>CLASS FACULTY SIGN:</b> |




























| WEEK -3   | Lab Exercise Programs | DATE:  |
|---|-----------------------|--|
| <p>11. Write a program to demonstrate Membership operators.</p> <p>12. Write a program to check if a user's name is in a pre-defined list of participants.</p> <p>13. Write a program on Identity Operators.</p> <p>14. Write a program to check if two variables refer to the same object in memory using is and is not.</p> <p>15. Write a program on Bitwise Operators.</p> <p>16. Write a Python program that performs the following operations on a string provided by the user: A)<b>Input a string</b> from the user.B) Print the <b>length of the string</b>.</p> |                       | <p><b>LAB FACULTY SIGN:</b></p><br><br><br><br><br><br><br><br><br><br><p><b>CLASS FACULTY SIGN:</b></p> |

































































| WEEK -7  | Lab Exercise Programs | DATE:  |
|--|-----------------------|--|
| <b>31.</b> Write a Python program to Calculate Area of Triangle<br><b>32.</b> Find the Square of a number<br><b>33.</b> Swap to variables<br><b>34)</b> To check whether the person is minor.<br><b>35)</b> To check whether the entered year is leap year<br><b>36)</b> To check if a number is positive, negative, or zero using elif<br><b>37)</b> To check grade on entered Score<br><b>38) Program to find the largest number among 'n' given numbers</b> |                       | <b>LAB FACULTY SIGN:</b><br><br><br><br><br><br><br><br><b>CLASS FACULTY SIGN:</b> |



























| WEEK -9   | Lab Exercise Programs | DATE:  |
|---|-----------------------|--|
| 41) Program to find the product of two matrices.<br>42) Program to find the roots of a quadratic equation.<br>43) Program to compute the GCD of two numbers.<br>44) Program to find the factorial of positive integer<br>45) Program to print Fibonacci Sequence up to given number 'n'<br>46) Program to print First N prime numbers<br>47) Program to multiply matrices |                       | LAB FACULTY SIGN:<br><br><br><br><br><br><br><br><br><br>CLASS FACULTY SIGN: |


































































61. Program to count the number of occurrences of characters in a given string.

62. Program to Find the maximum of a list of numbers

63. Program to find all duplicates in the list.

64. Program to find all the unique elements of a list.

65. Program to find max and min of a given tuple of integers.

66. Program to combine lists L1 and L2 into a dictionary.

67. TO FIND THE SUM OF all functions using list

LAB FACULTY SIGN:

CLASS FACULTY SIGN:

































| WEEK -15   | Lab Exercise Programs | DATE:  |
|--|-----------------------|--|
| <p>71. Program to find whether a given string is palindrome or not</p> <p>72.To create and print a list where the values are square of numbers between 1 and 10</p> <p>73.To find the sum of digits of a number using Functions</p> <p>74.To calculate the length of a string without using library function.</p> <p>75.To calculate the number of words and characters present in a string</p> <p>76.To count the number of vowels in a string.</p> <p><b>File handling</b></p> <p>77. Write a program to open a text file and read the data from it.</p> <p>78. Write a program to demonstrate readlines()</p> |                       | <p><b>LAB FACULTY SIGN:</b></p><br><br><br><br><br><br><br><br><br><br><p><b>CLASS FACULTY SIGN:</b></p> |



























| WEEK -17  | Lab Exercise Programs | DATE:               |
|---|-----------------------|---------------------|
| 84 . Program to implement Linear search                                 |                       | LAB FACULTY SIGN:   |
| 85. Program to implement Binary search.                                 |                       |                     |
| 86. Program to implement Selection sort                                 |                       |                     |
| 87. Program to implement Insertion sort.                                |                       |                     |
| 88. Program that takes command line arguments and find the word count.  |                       | CLASS FACULTY SIGN: |
| 89. Program to find the most frequent words in a text read from a file. |                       |                     |
| 90.   |                       |                     |
| .   |                       |                     |



















WEEK -17

Lab Exercise Programs

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LAB FACULTY SIGN:

CLASS FACULTY SIGN:













