

**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**  
**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT**

**B. Tech-1<sup>st</sup> Year**

**(Even Semester- 2024-2025)**

**Subject – Web Programming (CS104)**

**Python Lab Assignment 7**

1. Write a program to demonstrate different data types in python.
2. Write a program to perform different arithmetic operations on numbers in python.
3. Create a list and perform the following methods 1) insert() 2) remove() 3) append()  
4) len() 5) pop() 6) clear()
4. Create a dictionary and apply the following methods 1) Print the dictionary items 2)  
access items 3) use get() 4) change values 5) use len()
5. Write a program to create, concatenate and print a string
6. Write a python program to add two numbers.
7. Write a python program to print a number is positive/negative using if-else.
8. Write a python program to find largest of three numbers
9. Python program for factorial of a number
10. Python program for simple interest
11. Python program to check Perfect Number (Example: 6, divisors of 6 are 3,2,1 and sum  
of divisors is the number itself)
12. Python program to calculate grade of a student. Take in the marks of 5 subjects  
and display the grade.