GLS UNIVERSITY
FACULTY OF COMPUTER APPLICATIONS & INFORMATION TECHNOLOGY
221601505 PRACTICALS ON PYTHON
iMSCIT Sem – V
Unit 1 Practical Assignment
Date of Submission : 11/08/25

1. Create a Python program that will have 3 variables which stores integer, float and complex value. Display its value and also demonstrate its datatype class using type().

1. Create a Python program that will have one string variable =" Welcome to Python". Perform following operations:
   - Print whole string
   - Print only first character of string
   - Print 3rd character to -1 character of string using slicing operator
   - Print string from 4th character to the end of string using slicing operator
   - Print whole string 5 times using appropriate operator.
   - Count the occurance of "to"
   - Print length of string
   - Convert the string to lowecase
   - Find the substring "Python"
   - Remove leading space from string
   - Check whether string is ending with "is" or not.

2. Create a Python program that will have one list with values = ['Navratri', 'Diwali', 'Holi', 'Rakshabandhan','Bakri Id', 'Muharram']. Perform following operations:
   - Print whole list
   - Print only first element of list
   - Prints elements starting from 2nd till 3rd
   - Prints elements starting from 2nd element till last
   - Print whole list 4 times using appropriate operator.

3. Create a Python program that will have one fruit dictionary with fruit values. Display keys and values separately.

4. Create a Python program that will have one tuple of vegetables with values = ('Potato', 'Brinjal','Tomato','Cabbage', 'Cauliflower'). Perform following operations:
   - Print whole tuple
   - Print only first element of tuple
   - Prints elements starting from 2nd till4th
   - Prints elements starting from 2nd element till last
   - Print whole tuple twice using appropriate operator.

5. Write a Python program which will have Main Menu for selecting Elective Subjects as follows:
   Main Menu:
   1. Joomla
   2. Ruby onRails
   3. Drupal
   4. Android
   5. iOS

   Display proper message for every choice. Use elif to create a menu:

6. Write a Python program that will display numbers from 1 to 20(both inclusive) using range()function.

7. Write a Python program to calculate the area of rectangle and square.
8. Write a Python program to swap of two numbers.
9. Write a Python program that will demonstrate the use of Bitwise Operators.
10. Write a Python program that will demonstrate the use of Identity Operators.
11. Write a Python program that will demonstrate the use of Membership Operators.
12. Write a Python program to demonstrate the use of random function.