GLS UNIVERSITY
FACULTY OF COMPUTER APPLICATIONS & INFORMATION TECHNOLOGY
PRACTICALS ON PYTHON
IMSCIT Sem–V

1. Write a Python program that creates a package called “Lunch” which consists of fruit.py and vegetable.py. Fruit.py contains 3 function called apple(), banana(), orange(). Vegetable.py contains 2 function called potato() and tomato(). Create one main file outside the lunch package and import Lunch to access fruit.py and vegetable.py file using__init__.py file. Call all the functions in main file using the concept of Package.

2. Write a Python program that creates a package called “SEM6” which consists of core.py, ae.py and elective.py, core.py contains 4 function called python(), infosec(), se(), ai(). ae.py contains 2 function called dt() and drupal(). Also elective.py contains 1 function called ML(). Create one main file outside the SEM6 package and import SEM6 to access core.py, elective.py and ae.py file using__init__.py file. Call all the functions in main file using the concept of Package.

3. Write a Python program to create a module called calculator.py with add (), sub(), mul(), div() and call this module into another file named calc.py using from… import syntax.

4. Write a Python program to select a random element from a list, set. Use random.choice()

5. Write a Python program to generate a float between 0 and 100.

6. Write a program to create function calculation () such that it can accept two variables and calculate addition and subtraction. Also, it must return both addition and subtraction in a single return call.

7. Write a program to create a function employee () using the following conditions.
    a. It should accept the employee’s name and salary and display both.
    b. If the salary is missing in the function call, then assign default value 10000 to salary

8. Write a Python program computer.py which contains functions mouse() , keyboard() and cpu(). Call this module functions into another file main.py using import syntax.

9. Create an outer function that will accept two parameters a and b. Create an inner function inside an outer function that will calculate the addition of a and b. At last, an outer function will add 5 into addition and return it.

10. Write a program to create a recursive function to calculate the sum of numbers from 0 to 10.