

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.