

Python Programming LAB

1. Identify and differentiate between various data types in Python (Knowledge)
2. Apply and demonstrate knowledge of list methods, tuple methods, and dictionary methods in Python (Application)
3. Develop a menu-driven program in Python to perform calculations based on user input (Comprehension)
4. Utilize the filter() function in Python to selectively extract elements from a list (Application)
5. Display the current date and time in Python and add a specified number of days to the current date (Application)
6. Implement 2D arrays using NumPy in Python (Application)
7. Concatenate and manipulate data frames using the pandas module in Python (Application)
8. Read and write data to a CSV file using pandas in Python (Application)
9. Calculate the radius of a circle and perform related calculations in Python (Application)