Government Engineering College, Patan

Computer Science & Engineering

Python for Data Science
(Open Elective - 3150713)

Practical List (Set-1)

Set-1(CO-1): Python Programming with Array, List, Dictionary

1. Write a program in python to read two strings and display them on console. Use input () functions.
2. Python Program to Print first N Fibonacci numbers
3. Python Program To check whether entered number is palindrome or not.
4. Write a Python program to check if the number provided by the user is an Armstrong number. Perform it with and without user defined function.
5. Write a Python program to print all Prime numbers in an Interval using user defined function
6. Python Program for rotate the elements of array.
7. Python Program to Split the array and add the first part to the end of second part.
8. Python Program to check if given array is Monotonic or not.

   Input : 6 5 4 4
   Output : true
   Input : 5 15 20 10
   Output : false

9. Python program to print even numbers and duplicate from a list

10. Python program to find N largest elements from a list

    Input : [4, 5, 1, 2, 9]
        N = 2
    Output : [9, 5]
    Input : [81, 52, 45, 10, 3, 2, 96]
        N = 3
    Output : [81, 96, 52]

11. Write a program to create a dictionary of student details and perform basic operation on it.