

GANPAT UNIVERSITY
U. V. PATEL COLLEGE OF ENGINEERING
B.Tech CE/IT Semester IV
2CEIT404: Python Programming

Practical-6: Function(UDF)

1. Write a program to perform addition of two numbers using user defined function.
2. Write a program to display all the prime numbers between 1 to n using function.
3. Write a user defined function to sort a List.
4. Write a function to find the minimum and maximum value from argument list & return both minimum & maximum in tuple form.
5. Write a function to add two lists of the same length term-by-term & return new list
Eg.: A=listAdd([1,2,3],[1,2,3])
print (A) Will print [2,4,6].
6. WAP a function called powers(n) that prints out the first 5 powers of a given number.
Eg. >>> powers(6)
The first 5 powers of 6 are: 1 6 36 216 1296
7. Write a Python program to filter a list of integers using lambda function. The program should filter even numbers from a given list.
8. Write a Python program to sort a list of dictionaries using lambda function. The program should sort the list based on the 'age' key in each dictionary.
9. Write a Python program to execute a function on each element of a list using lambda function. The program should calculate square of all numbers.