

GE8161- PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY

List of Programs:

1. Write a python program to compute the GCD of two numbers.
2. Write a python program to find the square root of a number using Newton's method.
3. Write a python program to find the exponentiation (power of a number).
4. Write a python program to find the maximum of a list of numbers.
5. Write a python program to find an element from the list using Linear Search.
6. Write a python program to find an element from the list using Binary Search.
7. Write a python program to rearrange the list of elements using selection sort method.
8. Write a python program to rearrange the list of elements using insertion sort method.
9. Write a python program to rearrange the list of elements using merge sort method.
10. Write a python program to rearrange the list of elements using quick sort method.
11. Write a python program to find the first n prime numbers.
12. Write a python program to multiply matrices.
13. Write a python program that takes command line arguments (word count).
14. Write a python program to find the most frequent words in a text read from a file.
15. Write a python program to find the duplicate element from a list.