Practical File Assignment

Q1. WAP in Python to read your name from keyboard and display “Good Morning” message with your name

**Example :**

Enter your name : Rakesh

**Output:** Good morning Rakesh

Q2. Input two numbers from the keyboard and display the larger / smaller number on the screen

Q3. Input three numbers and display the largest / smallest number

Q4. Generate the following patterns using nested loop

|  |  |  |
| --- | --- | --- |
| **Pattern1** | **Pattern2** | **Pattern3** |
| \* \*\* \*\*\* \*\*\*\* \*\*\*\*\* | 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1 | A AB ABC ABCD ABCDE |

Q5. Write a program to input the value of x and n and print the sum of the following series:

1. 1+x+x2+x3+x4+. ..........xn
2. 1-x+x2-x3+x4 .................................xn
3. x-x2/2+x3/3-x4/4+………………xn/n
4. x-x2/2!+x3/3!-x4/4!+………………xn/n!

Q6. WAP in python to Determine whether a number is a perfect number or not.

Q7. WAP in python to determine whether a number is Armstrong number or not

Q8. WAP in Python to determine whether a number is a palindrome number or not

Q9. Input a number and check if the number is a prime or not

Q10. Display the first n terms of a Fibonacci series.

Q11. Compute the greatest common divisor and least common multiple of two integers

Q12. Count and display the number of vowels, consonants, uppercase, lowercase characters in string

Q13. Input a string and determine whether it is a palindrome or not

Q14. Find the largest/smallest number in a list/tuple without using built in function MAX/MIN.

Q15. Input a list of numbers and swap elements at the even location with the elements at the odd

Location.

Q16. Input a list/tuple of elements, search for a given element in the list/tuple.

Q17. Input a list of numbers and find the smallest and largest number from the list

Q18. Create a dictionary with the roll number, name and marks of n students in a class and display the  
names of students who have scored marks above 75.

Q19. WAP in python to create a user defined list of N integer numbers from the keyboard. Find out the frequency of each element in this list.

Q20. WAP in python to create a user defined list of N integer numbers from the keyboard. Find out the frequency of each element in this list using dictionary.