MATHEMATICS AND COMPUTING (4th Sem)

Python Programming Lab (160414)

Lists of experiments: -

1. Write a program that demonstrate various standard data types (numeric, string, list, tuple, dictionary, Boolean).
2. Write a program that demonstrate various operators.
3. Write a program on various strings operations.
4. Write a program to swap two numbers without using third variable.
5. Write a program to find a maximum and minimum number out of three numbers.
6. Write a program to find factorial of a number.
7. Write a program to find the reverse number of the given number.
8. Write a program to find the sum of numbers.
9. Write a program to find the palindrome number of the given number.
10. Write a program to find given number is Armstrong or not.
11. Write a program to print the multiplication table of 'n' where 'n' is given by user.
12. Write a program to display Fibonacci sequence of n terms.
13. Write a function to display factors of the given numbers.
14. Write the LCM and HCF of the given numbers.
15. Write a function to find sum of several natural numbers.
16 Write a program that prints absolute value, square root, and cube of a number.

17. Write a program to calculate sum of number from **m** to **n.**

18. Write a program using for loop to calculate average of first n natural numbers.

19. Write a program to enter a binary number and convert it into decimal by using loop.

20. Write a program that demonstrate the use of local variables and global variables.