Assignment 7(Function 2)

Objective:

- To make the student understand the use function
- To make the student understand the parameters passing as reference and value.
- To make the student understand the return from the function

Programs:

1. Create a function to print your name using Python.
2. Write a program to add two integers using function.
3. Create a function to multiply two numbers and the numbers should pass as parameter and return the result.
4. Write a Python program to access a function inside a function.
5. Write a Python program to understand the use of $global$ and $nonlocal$ variables declared in a function.
6. Write a Python program to understand the use of asterisk(*) character declared in a function.
7. Write a Python program to understand the use of double asterisk(*) character declared in a function.
8. Create a function to calculate and return LCM of two numbers.
9. Create a function to calculate and return HCF of two numbers.
10. Write a Python function to find the max of three numbers.
11. Write a Python function to sum all the numbers in a list.
12. Write a Python function to multiply all the numbers in a list.
13. Write a Python program to reverse a string.
14. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.
15. Write a Python function to check whether a number falls in a given range.
16. Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.
17. Write a Python function that takes a list and returns a new list with unique elements of the first list.
18. Write a Python function that takes a number as a parameter and check the number is prime or not.
19. Write a Python program to print the even numbers from a given list.
20. Write a Python function to check whether a number is perfect or not.
21. Write a Python function that checks whether a passed string is palindrome or not.
22. Write a Python function to create and print a list where the values are square of numbers between 1 and 30 (both included)