

Function

1. Wap to create a list of prime Fibonacci series between user defined range and default range is 10 to 50 using default arguments, required argument, keyword arguments and function?
2. Wap to check whether a number is Armstrong number or not using default arguments, required argument, keyword arguments and function?
3. Wap to check whether a number is palindrome number and divisible by 3 and 5 or not using default arguments, required argument, keyword arguments and function?
4. Wap to find repeated elements and no of repeated elements in the list of 20 user defined values and also remove redundant values and update list with unique values only using required arguments and pass by reference?
5. Wap to create biodata of a student using variable length argument function in cv format available in ms doc?
6. Wap to find factorial of a number using while loop, do while loop and for loop and keyword arguments function?
7. Wap to search position of element in the list of 20 user defined values using binary search and function?
8. Wap to find area, perimeter of rectangle, square, triangle having 3 sides using keyword arguments with function?
9. WAP to swap two numbers using anonymous or lambda function?
10. Wap to perform all arithmetic operations using anonymous or lambda function?

MODULE

1. WAP to create scientific calculator and perform all arithmetic operations like sum, subtraction, division, multiplication, modulus, power, sqrt, cubic root, $\sin x$, $\cos x$, $\tan x$, $\log x$, $\exp x$, absolute value of x using function and module?
2. WAP to perform following computation on stack using function like push, pop, isempty, isfull, peak and use function and module
 - I. Create an stack of user defined size using list
 - II. Insert 20 user defined values in the stack using is full and push operation in stack
 - III. Search for an user defined element in the stack using peak operation of stack
 - IV. Delete 5 elements from stack using pop operation
 - V. Display all remaining elements of stack

3. WAP to perform following computation on queue using function like insert, delete, isempty, isfull, peak and use function and module
 - VI. Create an queue of user defined size using list
 - VII. Insert 20 user defined values in the queue using is full and insert operation in stack
 - VIII. Search for an user defined element in the queue using peak operation of stack
 - IX. Delete 5 elements from queue using delete operation
 - X. Display all remaining elements of queue
4. WAP to perform following using module and function for deposit, withdraw, check balance for banking application
 - I. Assign a fixed value as balance for account
 - II. Deposit user defined amount and display updated balance
 - III. Withdraw user defined money if user has sufficient fund otherwise show insufficient fund
 - IV. Check for balance
 - V. Maintain a fixed amount 3000 in the account
5. Wap to compute factorial, GCD, LCM, sqrt without using any library function, swap two number without using 3rd variable using function and module?