



Python Assignment -8 (Functions)

Python Assignment – (Use Functions in all programs)

1. Write a program to calculate area of rectangle
2. Write a program to calculate area of circle
3. Write a program to find sum of following series using functions :
 - a. $1 + 2 + 3 + 4 + \dots + n$
 - b. $1! + 2! + 3! + 4! + \dots + n!$
 - c. $1^1 + 2^2 + 3^3 + \dots + n^n$
4. Sum of all odd numbers between 1 to n
5. Sum of all prime numbers between 1 to n
6. Write a program to find print the following Fibonacci series using functions:
1 1 2 3 5 8 n terms
7. Write a program to find sum of digits of a number.
8. Write a program find reverse of a number
9. Write a program to check if entered number is a palindrome or not.
10. Write a program to check if entered year is a leap year or not.
11. WAP to check if a given number is Armstrong number or not. For each task create separate functions.

