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1. Write a Python Program to Find the Factorial of a Number?
    def factorial(n):
      if n == 0:
        return 1
      else:
        return n * factorial(n-1)
    n=int(input("Input a number to compute the factiorial: "))
    print(factorial(n))
2. Write a Python Program to Display the multiplication Table?
    num = 12
    # To take input from the user
    # num = int(input("Display multiplication table of? "))
    # Iterate 10 times from i = 1 to 10
    for i in range(1, 11):
     print(num, 'x', i, '=', num*i)
3. Write a Python Program to Print the Fibonacci sequence?
    # Enter number of terms needed
                                               #0,1,1,2,3,5....
    a=int(input("Enter the terms"))
   f=0
                             #first element of series
                              #second element of series
    s=1
    if a<=0:
      print("The requested series is
    ",f)
    else:
      print(f,s,end=" ")
      for x in range(2,a):
        next=f+s
        print(next,end=" ")
        f=s
        s=next
4. Write a Python Program to Check Armstrong Number?
    num = int(input("Enter a number: "))
    # initialize sum
    sum = 0
    # find the sum of the cube of each digit
    temp = num
    while temp > 0:
     digit = temp % 10
     sum += digit ** 3
     temp //= 10
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# display the result
    if num == sum:
     print(num,"is an Armstrong number")
    else:
     print(num,"is not an Armstrong number")
5. Write a Python Program to Find Armstrong Number in an Interval?
    lower = 100
    upper = 2000
    for num in range(lower, upper + 1):
     # order of number
     order = len(str(num))
     # initialize sum
     sum = 0
     temp = num
     while temp > 0:
       digit = temp % 10
       sum += digit ** order
       temp //= 10
     if num == sum:
       print(num)
6. Write a Python Program to Find the Sum of Natural Numbers?
   num = 16
    if num < 0:
     print("Enter a positive number")
    else:
     sum = 0
     # use while loop to iterate until zero
     while(num > 0):
       sum += num
       num -= 1
     print("The sum is", sum)
```