1. Write a Python Program to Find the Factorial of a Number?
2. fact = 1
3. num = int(input("Enter num: "))
4. while (num!=1):
5. buf = num - 1
6. if (fact == 1):
7. fact = fact\*buf\*num
8. else:
9. fact = fact\*buf
10. num = num - 1
11. print(fact)
12. Write a Python Program to Display the multiplication Table?
13. rows = [1, 2, 3, 4, 5, 6, 7, 8, 9]
14. i=0
15. j=1
16. while i < 9:
17. my\_list = [j \* x for x in rows]
18. j = j + 1
19. print(my\_list)
20. i+=1
21. Write a Python Program to Print the Fibonacci sequence?
22. sequence = [0, 1]
23. num\_1 = 0
24. num\_2 = 0
25. index = 0
26. boundary = int(input('enter boundary number '))
27. for i in range(boundary):
28. sequence.append(sequence[i] + sequence[i+1])
29. print(sequence)
30. Write a Python Program to Check Armstrong Number?
31. #371 = 3\*\*3 + 7\*\*3 + 1\*\*3 =371
32. armstrong\_num = input('enter  number ')
33. summary = 0
34. for i in range(len(armstrong\_num)):
35. summary = summary + int(armstrong\_num[i]) \*\* int(len(armstrong\_num))
36. print(summary)
37. if (summary == int(armstrong\_num)):
38. print("Yea, your num is real armstrong number!")
39. else:
40. print("sorry, thats not armstrong number, try again")
41. Write a Python Program to Find Armstrong Number in an Interval?
42. #371 = 3\*\*3 + 7\*\*3 + 1\*\*3 =371
43. first\_num = int(input('enter initial interval '))
44. second\_num = int(input('enter end of interval '))
45. summary = 0
46. for num in range(first\_num, second\_num):
47. number = str(num)
48. for digit in range(len(number)):
49. summary = summary + int(number[digit]) \*\* int(len(number))
50. number = int(number)
51. if (str(summary) == str(number)):
52. print("num {} is real armstrong number!".format(summary))
53. summary = 0
54. Write a Python Program to Find the Sum of Natural Numbers?

first\_num = int(input('enter initial interval of natural numbers '))

second\_num = int(input('enter end of interval of natural numbers')) + 1

liste =[]

for i in range(first\_num, second\_num):

  liste.append(i)

print(sum(liste))