

Silicon Institute of Technology
Computer Programming Lab
Lab Assignment - 3
(Python Programs using loop)

August 17, 2025

1. Write a Python program to your name, phone number, and email 10 times.
2. Write a Python program to print the multiplication table of a given number.
3. Write a Python program to compute the sum of squares of first n natural numbers($1^2 + 2^2 + 3^2 + \dots + n^2$) using loop.
4. Write a Python program to compute the sum $1/1 + 2/3 + 3/5 + 4/7 + \dots + nth$ term
5. Write a Python program to compute the sum of digits of a given number.
6. Write a Python program to check whether the given number is a palindrome or not.
7. Write a Program to check whether the given number is an Armstrong number or not. (e.g. 153 is Armstrong's number, as $1^3 + 5^3 + 3^3 = 153$.)
8. Write a Python program to compute the factorial of a number.
9. Write a Python program to print prime numbers between a given range.
10. Write a Python program to print first n Fibonacci numbers.
11. Write a Python program to find the numbers, which are divisible by the sum of their digits. (e.g. 12) between 1 to 10000.
12. Write a Python program to find the nearest number to 1000, which is less than 1000, and divisible by 18 and 32.
13. Write a Python program to check whether a given number is a perfect square or not.
14. Write a Python program to print the " n^{th} " digit of a number from the right. (e.g. in 18568, 6 is second from right)
15. Write a Python program to check whether the digits of a given number are equal.