

## Assignment

- Q. 1. Print sum of first 10 numbers
- Q. 2. Enter a number and print whether its prime
- Q. 3. Enter two ranges eg start 100 to stop 1000 and print all prime numbers between the two ranges.
- Q. 4. Enter a no print sum of its digits

Eg 456 - 15 , 22 - 4

- Q. 5. Print the sum of digits till you get a single number.
- Q. 6. Print Fibonacci series upto given terms.
- Q. 7. Enter 8 numbers, print their average.
- Q. 8. Write a python program to print the square of all numbers from 0 to 10
- Q. 9. Write a python program to find the sum of all even numbers from 0 to 10
- Q. 10. Write a python program to read three numbers (a,b,c) and check how many numbers between 'a' and 'b' are divisible by 'c'
- Q. 11. Enter a number and print its factorial
- Q. 12. Write a program that takes a positive integer n as input and returns the sum of all that number's digits.
- Q. 13. Write a program to prompt the user for hours and rate per hour to compute gross pay. Take into account that the factory gives the employee 1.5 times the hourly rate for hours worked above 40 hours.

Enter Hours: 45

Rate: 10

Pay: 475.0

- Q. 14. Pig Latin is a language game, where you move the first letter of the word to the end and add "ay." So "Python" becomes "ythonpay." To write a Pig Latin translator in Python, here are the steps we'll need to take:
  - Ask the user to input a word in English.
  - Convert the word from English to Pig Latin.
  - Display the translation result.
- Q. 15. Write a program to prompt for a score between 0.0 and 1.0. If the score is out of range print an error. If the score is between 0.0 and 1.0, print a grade using the following table:

Score Grade

>= 0.9 A

>= 0.8 B

>= 0.7 C

>= 0.6 D

< 0.6 F