**Basic Python Functions - Practice Questions**

1. Write a function that takes two numbers and prints their sum.

Ans: def sum\_of\_2\_numbers(a,b):

    sum=a+b

    print(sum)

sum\_of\_2\_numbers(2,6)

#8

1. Write a function that prints the square of a number.

def square\_of\_a\_number(a):

    sum=a\*\*2

    print(sum)

square\_of\_a\_number(2)

#4

1. Write a function to check if a number is even or odd and print the result.

def even\_or\_odd(n):

    if n%2==0:

        print("even")

    else:

        print("odd")

even\_or\_odd(4)

#even

1. Write a function that prints the factorial of a number.

def print\_factorial(n):

    fact = 1

    for i in range(1, n + 1):

        fact \*= i

    print(fact)

print\_factorial(3)

output:6

1. Write a function to find the maximum of three numbers and print it.

def maximum\_of\_three\_numbers(a,b,c):

    maximum=max(a,b,c)

    print(a,b,c)

maximum\_of\_three\_numbers(1,2,3

#1 2 3

1. Write a function to count and print the number of vowels in a string.

def print\_vowels(e):

    vowels=("aeiou")

    count=sum(1 for char in e if char in vowels)

    print(count)

print\_vowels("hello world")

output:3

1. Write a function that takes a list and prints the sum of all elements.

def sum\_of\_list(list):

    sum1=sum(list)

    print(sum1)

sum\_of\_list([1,2,3,4,5])

output=15

1. Write a function to reverse a string and print it.

def reverse\_a\_string(s):

    str1=s[::-1]

    print(str1)

reverse\_a\_string("vasantha")

output:ahtnasav

1. Write a function that checks if a string is a palindrome and prints the result.

def print\_palindrome(s):

    if s==s[::-1]:

        print("it is a palindrome")

    else:

        print("not a palindrome")

print\_palindrome("hello")

print\_palindrome("madam")

output:

not a palindrome

it is a palindrome

1. Write a function that takes a list and prints only the even numbers.

def print\_even\_numbers(lst):

evens = [num for num in lst if num % 2 == 0]

print("Even numbers:", evens)

print\_even\_numbers([1, 2, 3, 4, 5, 6])

# Output: Even numbers: [2, 4, 6]

1. Write a function to calculate and print the area of a circle given its radius.

def print\_area\_and\_radius\_of\_circle():

     print(3.14\*10\*\*2)

print\_area\_and\_radius\_of\_circle()

output:314.0

1. Write a function that prints the length of a string without using the len() function.

def string\_len():

    str1=input("enter a string:")

    count=0

    for i in str1:

       count+=1

       print(i, end="")

    print("length is",count)

string\_len()

1. Write a function that accepts any number of arguments and prints their average.

def average(\*numbers):

  avg=sum(numbers)/len(numbers)

  print(avg)

average(300,350,400)

average(100,200)

average(200,300)

average(214,546,757,234,356)