**Basic Python Functions - Practice Questions**

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

def sum(a,b):

   print(a+b)

sum(2,3)

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

def square(a):

print(a\*\*2)

square(2)

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

def even(a):

    if a%2==0:

        print('even')

    else:

  print('odd')

even(4)

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

def factors(n):

    fact=1

    for i in range(1,n+1):

        fact\*=i

    print(fact)

factors(6)

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

def maximum(a,b,c):

    if a>b and a>c:

        print(a)

    elif b>a and b>c:

        print(b)

    else:

        print(c)

maximum(3,4,5)

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

def vowels(str1):

    count=0

    for ch in str1:

        if ch in 'aeiou':

            count+=1

    print(count)

vowels('saira')

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

def list():

    sum=0

    l1=[1,2,3,4]

    for i in l1:

        sum+=i

    print(sum)

list()

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

def reverse():

    s='saira'

    print(s[::-1])

reverse()

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

def palindrome():

    a='madam'

    if a==a[::-1]:

        print('palindrome')

    else:

        print('no')

palindrome()

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

def list\_even():

    l1=[2,3,4,6,7,8]

    for i in l1:

        if i%2==0:

            print(i)

list\_even()

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

def circle(r,pie):

   print('area of circle')

   print(pie\*r\*r)

circle(15,3.14)

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

def len():

    count=0

    a='sairabanu'

    for i in a:

        count+=1

    print(count)

len()

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

def Avg(num1,num2,num3):

    Average=(num1+num2+num3/3)

    print(Average)

Avg(3,4,5)