PYTHON BASIC

(DAY 7)

FUNCTIONS

Functions in Python are blocks of reusable code that perform a specific task. They help in organizing code, making it more modular and easier to read and maintain. Functions can take inputs, process them, and return an output.

### **Defining a Function**

You define a function using the def keyword, followed by the function name and parentheses (). The function body is indented and contains the code to be executed.

# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Functions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# function is a block of code, that perform a specific task.

# fuctions can be called any time in the code

# That's why it is called reusable code.

# Types Of functions :--

# 1. In-built(pre-defined)(built-in) functions

# eg:- print(), insert(), input(), int()

# 2. User defined functions

# user defined functions defined by user itself

# syntax to define function :-

# def function\_name(parameters){

# function code...

# }

# calling a function :-

# function\_name()

# function of add two numbers

# function defining

def add\_two(num1,num2):

output = num1 + num2

return output # it exit the function and return the output.

# function calling

a = int(input("Enter your first number : "))

b = int(input("Enter your second number : "))

# output = add\_two(num1 = a, num2 = b) # assign value to parameters

# postional arguments :- because we have not declared where a & b goes . So, interpreter take according to their position

output = add\_two(a,b)

print("addition of two numbers {a} & {b} is : ",add\_two(a,b))

marks = [41,52,63,36,25,14,47,58,69,96,85,74]

print(len(marks))

# creating my\_len function which return same value as "len()" function

def my\_len(ls) :

count =0

for item in ls :

count+=1

return count

print(my\_len(marks))

# defining a function that add all item of list

def add\_items(ls) :

count =0

for item in ls :

count+=item

return count

print(add\_items(marks))

# avaerage\_finder

def add\_items(ls) :

count =0

total =0

for item in ls :

count+=1

total+=item

return total/count