**DATE:23/08/2022**

**ASSIGNMENT NO:05.**

**TOPIC: ADVANCE ARGUMENT PASSING IN PYTHON**

**Paramarameters and Arguements**

•Parameters are the variables that are defined or used inside parentheses while defining a function

•Arguments are the value passed for these parameters while calling function•

**Example:**rguments are the value passed for these parameters while calling function

def name(name): # name is the parameter

print("my name is :", name)

name("anoop") # 'anoop' is the argument

**Output:**

my name is : anoop

**Positional and keyword arguments**

We can pass arguments as positional or keyword arguments. Some benefits of keyword arguments can be: - We can call arguments by their names to make it more clear what they represent - We can rearrange arguments in a way that makes them most readablemeters while calling function

**Example: Positional Arguement**

def student(name,branch,marks):

  print("Student name:",name,"Branch:",branch,"Obtained Marks:", marks)

student("Anil","Computer Science",98)

**Output:**

Student name: Anil Branch: Computer Science Obtained Marks: 98defin

**Example: Keyword Arguemented** or used inside parentheses while defining a def Employee(name,id,Company):

print("Employee name:",name,"Employee id:",id,"currently working in:",Company)

Employee(Company="TCS",name="Arun",id="23456")

Employee("Anil","202567",Company="IBM")

**ese parameters while calling function**

**Default arguments**

Functions can have default arguments with a predefined value. This argument can be left out and the default value is then passed to the function, or the argument can be used with a different value. Note that default arguments must be defined as the last parameters in a function.nside parentheses while defining **Example:**

def Student(marks,name="Abhi", Branch="Computer Science"):

  print("Student name is",name ,"I belongs from",Branch,"I obtained",marks,"marks")

Student(98)

Student(98,"akash","Information Technology")

**Output:**

Student name is Abhi I belongs from Computer Science I obtained 98 marks

Student name is akash I belongs from Information Technology I obtained 98 markse passed for these parameters while calling function