**Explain what is variable length arguments i. e \*args & \*\*kwargs with an example of each.**

1. **Variable Number of Arguments(\*args)**

* When we don’t know exact number of arguments have to passed to the function, we can

use variable number of argumnets.

* It is also known as Python Arbitary Non Keyword Arguments.
* The parameter of function prefix with asterisk(\*variable\_name)
* Syntax:-

def function\_name(\*variable\_name):

statements

* The arguments which we passed to the function are wrapped into tuple type.
* We can pass only non keyword arguments to function.
* E. g:-

def values(\*num):

print(num)

values(21,45,42)

1. **Keyword Number of Arguments(\*\*kwargs)**

* It is similar to the variable number of arguments but here we can pass value to the function

in keyword argument form.

* The keyword number of arguments are prefix with the \*\* (double asterisk).
* The keyword arguments which we passed to the function are wrapped into to dictionary type.
* Syntax:

def function\_name(\*\*variable\_name)

statements

* E. g:-

def std(\*\*info):

print(info)

std(id=101,name=’Roshan’,age=22)