*ARGS AND **KWARGS in Python:

*args and ****kwargs** are special syntax in Python used for function definitions, allowing you to pass a variable number of arguments and keyword arguments, respectively, to a function.

*args:

*args is used to pass a variable number of positional arguments to a function. It collects all the positional arguments passed to the function into a tuple.

Example:

```python
def my_function(*args):
    for arg in args:
        print(arg)

my_function(1, 2, 3)
```

Output:

```
1
2
3
```

****kwargs:**

**kwargs is used to pass a variable number of keyword arguments to a function. It collects all the keyword arguments passed to the function into a dictionary.

Example:

```python
def my_function(**kwargs):
    for key, value in kwargs.items():
        print(key, value)

my_function(name="Alice", age=30)
```

Output:

```
name Alice
age 30
```

In this example, `**kwargs` collects the keyword arguments `name="Alice"` and `age=30` into a dictionary named `kwargs`.

Combined usage:

You can also use `*args` and `**kwargs` together in a function definition to accept both positional and keyword arguments.

Example:

```python
def my_function(*args, **kwargs):
    print("Positional arguments:")
    for arg in args:
        print(arg)
    print("Keyword arguments:")
    for key, value in kwargs.items():
        print(key, value)

my_function(1, 2, 3, name="Alice", age=30)
```

Output:

```yaml
Positional arguments:
1
2
3
Keyword arguments:
name Alice
age 30
```

In this example, the function `my_function` accepts both positional arguments `(1, 2, 3)` and keyword arguments `name="Alice"` and `age=30`.

CODE:

```python
def funargs(normal, *argsmohan, **kwargsriya):
    print(normal)
    for item in argsmohan:
        print(item)
    print("\n Now I would like to introduce same of our heros")
    for key,value in kwargsriya.items():
        print(f"{key} is a {value}")

# function name print("pentest", "hacker", "Amit")
har = ["ankur","neeraj","abhishek","vivek","robin","The Programmer"]
normal = "I am a normal argument & the student are :"
kw = {"pentest":"Monitor", "hacker":"fitness", "the programmer":"coordinator","shiva":"cook"}
funargs(normal, *argsmohan: *har,**kw)
```

Output:

```
/root/PycharmProjects/pythonProject/.venv/bin/python /root/PycharmProjects/pythonProject/25.py
I am a normal argument & the student are :
ankur
neeraj
abhishek
vivek
robin
The Programmer

 Now I would like to intorduce same of our heros
pentest is a Monitor
hacker is a fitness
the programmer is a coordinator
shiva is a cook
```