Types of User-defined functions

```python
# Types of user defined formulas
# 4. no return + arguments
def largest(a,b,c):
    print(f'Maximum of three numbers is: {max(a, b, c)}')

# main function
print("Running the function")
a = int(input("Enter 1st number: "))
b = int(input("Enter 2nd number: "))
c = int(input("Enter 3rd number: "))
largest(a,b,c)
```

```
Running the function
Enter 1st number: 15
Enter 2nd number: 66
Enter 3rd number: 56
Maximum of three numbers is: 66

=== Code Execution Successful ===
```

```python
# Types of user defined formulas
# 3. return + arguments
def largest(a,b,c):
    return max(a, b, c)

# main function
print("Running the function")
a = int(input("Enter 1st number: "))
b = int(input("Enter 2nd number: "))
c = int(input("Enter 3rd number: "))
print("Largest of three numbers is: ")
print(largest(a,b,c))
```

```
Running the function
Enter 1st number: 6
Enter 2nd number: 7
Enter 3rd number: 9
Largest of three numbers is:
9

=== Code Execution Successful
```

```python
# Types of user defined formulas
# 2. return + no arguments
def largest():
    a = int(input("Enter 1st number: "))
    b = int(input("Enter 2nd number: "))
    c = int(input("Enter 3rd number: "))
    result = max(a, b, c)
    return f'The largest number is {result}'

# main function
print("Running the function")
print(largest())
```

```
Running the function
Enter 1st number: 49
Enter 2nd number: 100
Enter 3rd number: 0
The largest number is 100

=== Code Execution Successful
```

```python
# Types of user defined formulas
# 1. No return + no arguments
def largest():
    a = int(input("Enter 1st number: "))
    b = int(input("Enter 2nd number: "))
    c = int(input("Enter 3rd number: "))
    print(f'{max(a, b, c)} is maximum out of these three
        numbers')

# main function
print("Running the function")
largest()
```

```
Running the function
Enter 1st number: 56
Enter 2nd number: 20
Enter 3rd number: 2
56 is maximum out of these three numbers

=== Code Execution Successful ===
```