

# *Software Systems Development Lab*

Will start at 2.35PM

06/10/2020



*Python is an interpreted,  
high-level and general-purpose  
programming language.*

- Demo: Functions in Python
- Doubts and queries session
- Lab activity(ungraded) - Hacktoberfest

# Functions

## Known number of arguments

- Definition

```
def my_func(a, b, c):  
    print(a)
```

- Arguments

```
my_func("IIIT", "NIT", "IIT")  
Output: IIIT
```

- Keyword arguments

```
my_func(b="NIT", a="IIIT", c="IIT")  
Output: IIIT
```

## Unknown number of arguments

- Definition

```
// non-keyword arguments  
def my_func(*college):  
    print(college[0])
```

```
// keyword arguments  
def my_func(**college):  
    print(college["a"])
```

- Arguments

```
my_func("IIIT", "NIT")  
Output: IIIT
```

- Keyword arguments

```
my_func(b="NIT", a="IIIT", c="IIT",  
d="NU")  
Output: IIIT
```

# Learn and Practice Python

- [jerry-git/learn-python3](#)
- [A Beginner's Python Tutorial/Very Simple Programs](#)
- [The Hitchhiker's Guide to Python](#)
- [Python Examples](#)



Lab Activity (ungraded):

- Create pull requests to fix issues labelled as “hacktoberfest”
- At least 4 PRs should get accepted for free t-shirt and swag
- Find complete guidelines here  
<https://hacktoberfest.digitalocean.com/details>
- Submit README file on Moodle containing URLs of PRs you have created