

Programming

Lesson15 - Function arguments

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Arguments

```
def print_msg(sender, to, msg):  
    print('Dear', to + ',\n')  
    print(msg)  
    print('\n\nBest regards,')  
    print(sender)
```

► Arguments: sender, to, msg

► Sender → 'Saeed', to → 'my viewers', msg → 'You are amazing!!!!'

```
print_msg('Saeed', 'my viewers', 'You are amazing!!!!')
```

► Output:

```
Dear my viewers,
```

```
You are amazing!!!!
```

```
Best regards,  
Saeed
```

Default arguments

```
print_msg('Saeed', 'my viewers')
```



```
TypeError: print_msg() missing 1 required positional argument: 'msg'
```

- ▶ Default value → if not sent explicitly, use it!!

```
def print_msg(sender, to, msg='You are wonderful*****'):
    print('Dear', to + ',\n')
    print(msg)
    print('\n\nBest regards,')
    print(sender)
```

```
print_msg('Saeed', 'my viewers')
```

- ▶ Default values must come at the end of function definition



Default arguments cont.

► Output:

```
Dear my viewers,  
  
You are wonderful*****  
  
Best regards,  
Saeed
```

► Not using default:

```
print_msg('Saeed', 'my viewers', 'You are amazing!!!!')
```

Keyword Arguments

```
print_msg(sender, to, msg)
```

```
print_msg('Saeed', 'my viewers', 'You are amazing!!!!')
```

- ▶ Arguments:

- ▶ Sender → 'Saeed', to → 'my viewers', msg → 'You are amazing!!!!'
- ▶ Order is important, values assigned accordingly

- ▶ Keyword arguments:

```
print_msg(sender='Saeed', to='my viewers', msg='You are amazing!!!!')
```

- ▶ The order can be changed!

```
print_msg(to='my viewers', sender='Saeed', msg='You are amazing!!!!')
```



Keyword arguments

- ▶ But...

```
print_msg(to='my viewers', 'Saeed', msg='You are amazing!!!!')
```



- ▶ What not in keyword → order is important

```
print_msg('Saeed', msg='You are amazing!!!!', to='my viewers')
```



Let's try...😊

- ▶ Open PyCharm:
 - ▶ Create new file: functions_and_arguments.py
 - ▶ Start coding 😊

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Thank you 😊!

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Stay tuned for more!