



Python Lambda

- A lambda function is a small anonymous function.
- A lambda function can take any number of arguments, but can only have one expression.

Syntax

lambda arguments : expression

Example

#Add 10 to argument a, and return the result:

x = lambda a : a + 10

print(x(5))



Why Use Lambda Functions

- The power of lambda is better shown when you use them as an anonymous function inside another function.
- Say you have a function definition that takes one argument, and that argument will be multiplied with an unknown number:

```
def myfunc(n):  
    return lambda a : a * n
```

- Use that function definition to make a function that always doubles the number you send in:

Example

```
def myfunc(n):  
    return lambda a : a * n  
mydoubler = myfunc(2)  
print(mydoubler(11))
```