

Lambda functions and error-handling



Lambda functions



Lambda functions

```
raise_to_power = lambda x, y: x ** y
```

```
raise_to_power(2, 3)
```

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Anonymous functions

- Function map takes two arguments: map(func, seq)
- map() applies the function to ALL elements in the sequence

```
nums = [48, 6, 9, 21, 1]

square_all = map(lambda num: num ** 2, nums)

print(square_all)
```

```
<map object at 0x103e065c0>
```

```
print(list(square_all))
```

```
[2304, 36, 81, 441, 1]
```


The image shows two tall, cylindrical minarets made of brick, decorated with colorful geometric patterns in blue, green, and yellow. They are situated on a paved terrace with a wooden railing. In the background, there is a dense forest of tall pine trees under a clear blue sky. The text "Let's practice!" is centered in the upper half of the image.

Let's practice!