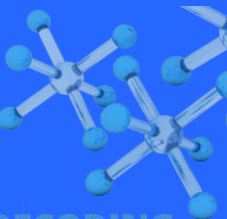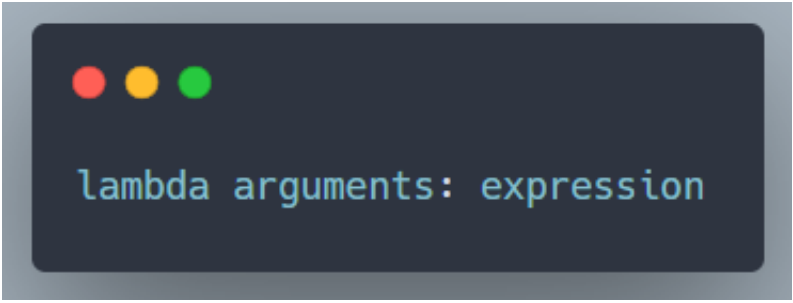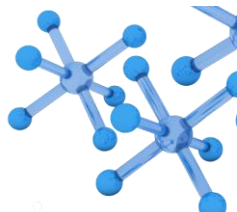# Lambda functions

Python Basics

lambda function

A lambda function is a small anonymous function that can take any number of arguments, but can only have one expression. The syntax for defining a lambda function is:
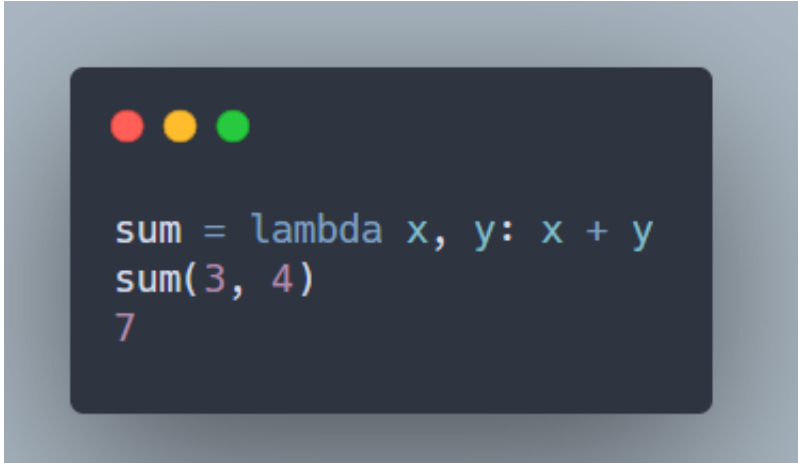
```
lambda arguments: expression
```
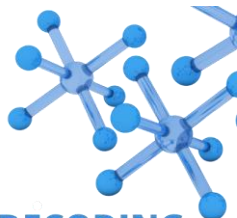
lambda function

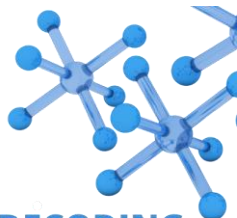- Here's an example of a lambda function that takes two arguments and returns their sum:

```
sum = lambda x, y: x + y
sum(3, 4)
7
```

lambda function

- Lambda functions are often used in conjunction with higher-order functions (functions that take other functions as arguments). They can be used to provide a function as an argument to another function, without having to define a separate function using the def keyword.

```python
def apply_function(x, func):
    return func(x)

apply_function(3, lambda x: x ** 2)
9
```

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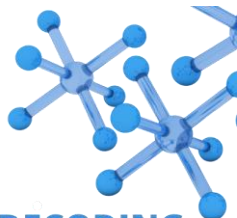~~$100.00~~ Free

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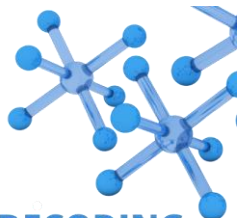
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