

# lambda expression

**Python Lambda Functions** are anonymous function means that the function is without a name. As we already know that the *def* keyword is used to define a normal function in Python. Similarly, the *lambda* keyword is used to define an anonymous function in [Python](#).

## Python Lambda Function Syntax

**Syntax:** *lambda arguments : expression*

- *This function can have any number of arguments but only one expression, which is evaluated and returned.*
- *One is free to use lambda functions wherever function objects are required.*
- *You need to keep in your knowledge that lambda functions are syntactically restricted to a single expression.*
- *It has various uses in particular fields of programming, besides other types of expressions in functions.*

## Python Lambda Function Example

In the example, we defined a lambda function(**upper**) to convert a string to its upper case using [upper\(\)](#).

- Python3

```
str1 = 'eldawly'

upper = lambda string: string.upper()

print(upper(str1))
```