Lambda Function in Python

Python Lambda:

Small anonymous functions are known as lambdas.

A lambda function can have one expression but any number of arguments.

Syntax:

```
lambda arguments : expression
```

Return the outcome after adding 8 to argument a:

```
x = lambda a : a + 8
print(x(4))
```

Lambda Function:

When lambda is used as an anonymous function inside another function, their power is better demonstrated.

Let's say you have a function definition that accepts a single parameter and multiplies that argument by an unknowable number:

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

Create a function that consistently **doubles** the integer you provide it using that function definition:

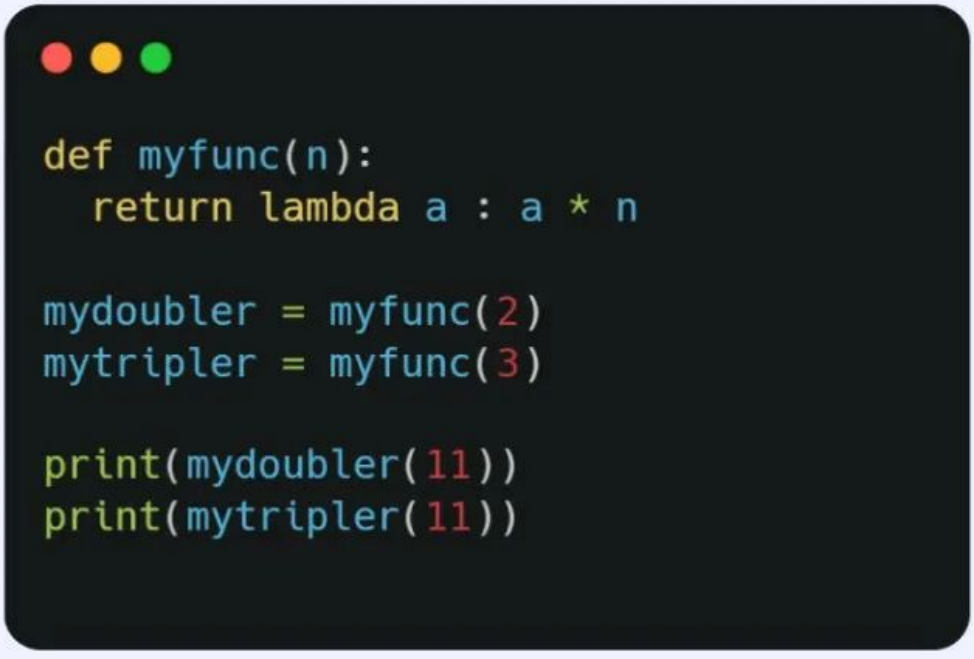
Create a function that consistently **triples** the number you supply by using the same function definition:

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

mytripler = myfunc(3)

print(mytripler(11))
```

Create **both functions** in the same programme using the same function definition:



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

mydoubler = myfunc(2)
mytripler = myfunc(3)

print(mydoubler(11))
print(mytripler(11))
```

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