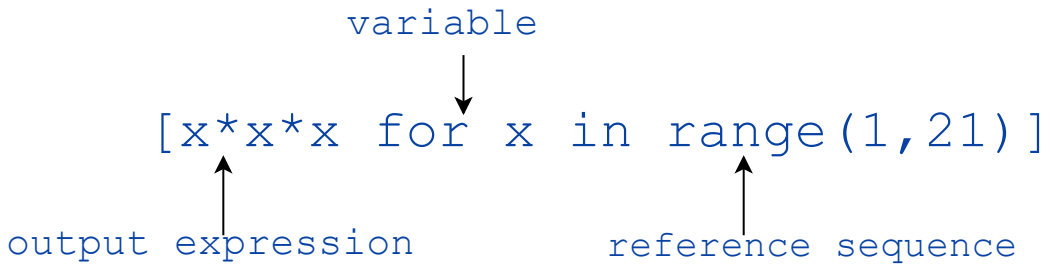
Solution Review: List of Cubes

This lesson gives a detailed review of how to print a list of cubes using a list comprehension.

WE'LL COVER THE FOLLOWING

Solution1: List Comprehension

As we have already seen in the previous exercise, list comprehensions allow for in-place list creation using a range that mathematical operations can be done on. This solution uses the same approach; we can simply use a list comprehension that iterates over a range of 1-21, and cubes each element as it goes.



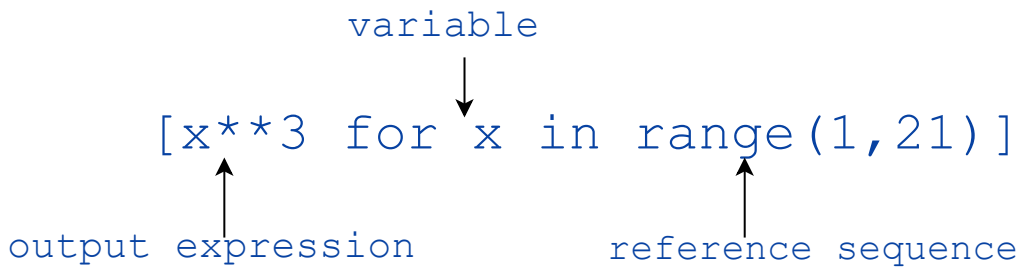

```
def getCube():
  l1 = [x*x*x for x in range(1, 21)]
  return l1
l1 = getCube()
print(l1)
```

Solution2: List Comprehension

This solution uses the same approach; we can simply use a list comprehension that iterates over a range of 1-21, and takes the power of 2 of each element in

that iterates over a range of 1-21, and takes the power of 3 of each element in the range.

> ```
> x ** y
> ```
>
> denotes x raised to power y, i.e., x^y




```
def getCube():
  l1 = [x**3 for x in range(1,21)]
  return l1

l1 = getCube()
print(l1)
```

#

Now, let's move on to the next challenge of list comprehension.