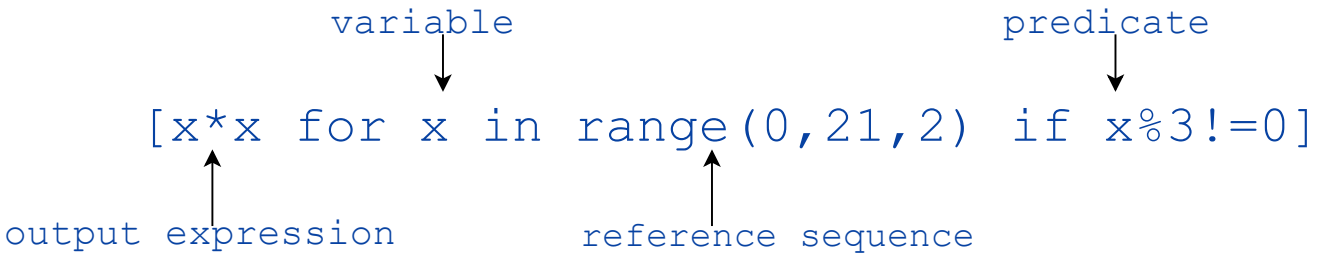
Solution Review: Even Squares Not Divisible By Three

This lesson gives a detailed review of how to make a list of even squares using a list comprehension that aren't divisible by three.

WE'LL COVER THE FOLLOWING

Solution Review: List Comprehension With Predicate

Use a list comprehension that iterates over a range of 0-21, increments the number in the range by 2 and squares each remaining number. Also, use a predicate clause to check if the squared number is not divisible by 3, then put the number in the list.



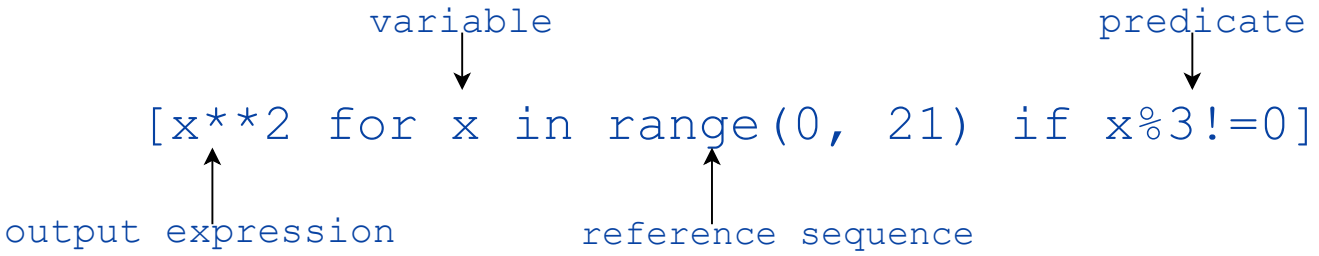
The following python code helps to make a list containing even squares that aren’t divisible by three:

```
def getSquare():
  l1 = [x*x for x in range(0, 21, 2) if x % 3 != 0]
  return l1

print(getSquare())
```

Solution 2: List Comprehension With Predicate

Use a list comprehension that iterates over a range of 0-21, takes the power of each number by 2. Also, use a predicate clause to check if the squared number is not divisible by 3, and it is divisible by 2, then put the number in the list.



The following python code helps to make a list containing even squares that aren't divisible by three:

```
def getSquare():
 l1=[ x**2 for x in range(0, 21) if x % 3 != 0 and x % 2 == 0]
 return l1

print(getSquare())
```

Now that you have an insight of list comprehension, let's move on to the quiz.