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Solution: While Loops

Solution: Count By

```
start_num = 5
end_num = 100
count_by = 2

break_num = start_num
while break_num < end_num:
    break_num += count_by

print(break_num)
```

Output:

```
101
```

Another Example Output:

If we used the same code above, except with these starting values:

```
start_num = 300
end_num = 548
count_by = 23
```



553

Quiz: Count By Check

```
start_num = 5
end_num = 100
count_by = 2

if start_num > end_num:
    result = "Oops! Looks like your start value is greater than the end value. Please
    try again."

else:
    break_num = start_num
    while break_num < end_num:
        break_num += count_by

    result = break_num

print(result)
```

Output:

101

Another Example Output:



Solution: While Loops

```
start_num = 199  
end_num = 4  
count_by = 10
```

This would output:

Oops! Looks like your start value is greater than the end value. Please try again.

Solution: Nearest Square

```
limit = 40  
  
num = 0  
while (num+1)**2 < limit:  
    num += 1  
nearest_square = num**2  
  
print(nearest_square)
```

Output:

36



Solution: While Loops
