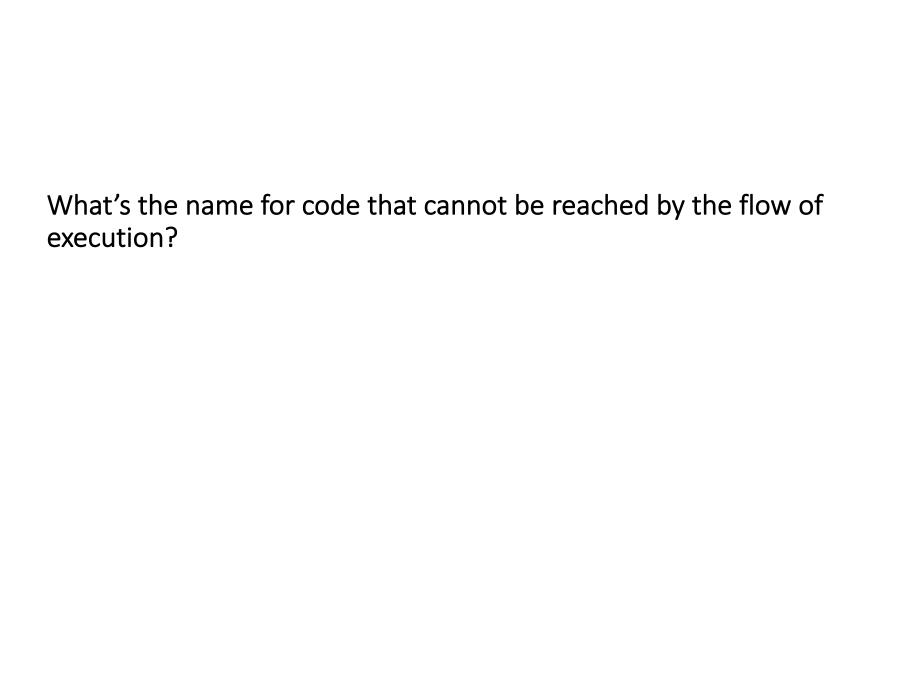
## Think Python: Chapter 6 (up to *More Recursion*) and Chapter 7



What's the name for code that cannot be reached by the flow of execution?

Dead code

Incremental development involves the use of	variables
to hold intermediate values; these variables are usually remo	ved once
the code is working.	

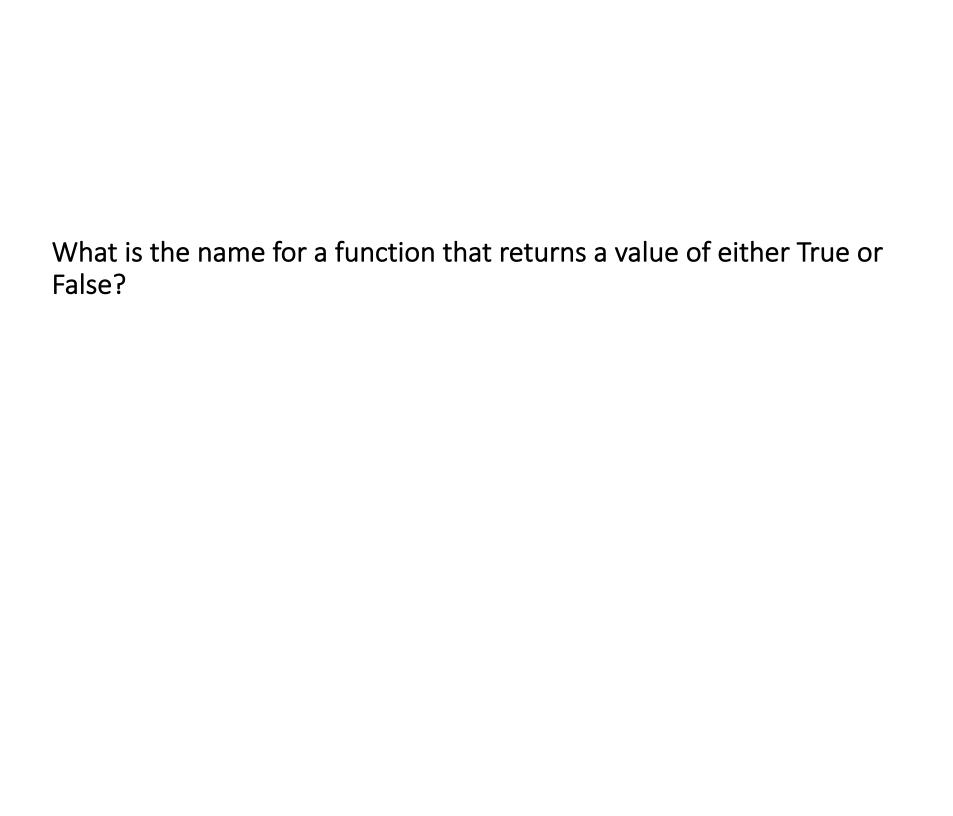
Incremental development involves the use of \_\_\_\_\_ variables to hold intermediate values; these variables are usually removed once the code is working.

temporary

Code that exists only dur	ring program development but not the fir	nal
version is referred to as		

Code that exists only during program development but not the final version is referred to as \_\_\_\_\_\_.

Scaffolding



What is the name for a function that returns a value of either True or False? **Boolean function** 

How could the line of code below be improved?

if is\_prime(num) == True:

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What is the term for adding 1 to the value of a variable?

What is the term for subtracting 1 from the value of a variable?

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Increment(ing)

Decrement(ing)

How could our palindrome() function be rewritten as a Boolean function? (Keyboard volunteer needed for instructor computer!)

## How could our palindrome() function be rewritten as a Boolean function?

```
>>> def palindrome(l1,l2,l3,l4,l5):
... return l1+l2+l3+l4+l5 == l5+l4+l3+l2+l1
...
>>> palindrome('l','e','v','e','l')
True
>>> palindrome('s','y','r','u','p')
False
>>>
```

What is the term for the code below?

```
>>> while True:
... print("Hush, hush, Sweet Charlotte!)
...
>>>
```

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```

Infinite loop (because it never terminates)

What Python statement can be used to exit the type of loop below from within the body of the loop?

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```
>>> while True:
... print("Hush, hush, Sweet Charlotte!)
...
>>>
```

break

How many lines of output does this code produce?

```
>>> while False:
... print("HHSC")
...
>>>
```

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... print("HHSC")
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>>>
```

Zero!

What does this code output?

```
>>> i = 0
>>> while (i <= 100):
... print(i)
... i = i + 2
```

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All the even numbers between 0 and 100, inclusive, one per line.

What is the name for what's happening in the first line of code below?

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Initialization

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In the programming world, <i>repetition</i> is also known as
Iteration

A mechanical	process for	solving a	category	of problems	is known as
a(n)	•				

A mechanical process for solving a category of problems is known as a(n) \_\_\_\_\_.

algorithm