



COMPSCI 105 S1 2017 Principles of Computer Science

13 Stack (1)



13.2 The Stack Abstract Data Type

Exercise 1

► What is the output of the following code fragment?

```
s = Stack()
print(s.is_empty())
s.push(True)
print(s.peek())
print(s.size())
s.push('cat')
s.pop()
print(s.peek())
s.push(8)
s.pop()
print(s.size())
```

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13.2 The Stack Abstract Data Type

Exercise 1

► What is the output of the following code fragment?

```
s = Stack()
print(s.is_empty())
s.push(True)
print(s.peek())
print(s.size())
s.push('cat')
s.pop()
print(s.peek())
s.push(8)
s.pop()
print(s.size())
```

```
True
True
|
True
|
```

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13.2 The Stack Abstract Data Type

Exercise 2

► What is the output of the following code fragment?

```
s = Stack()
print(s.is_empty())
s.push(4)
print(s.peek())
s.pop()
s.push(8.4)
print(s.size())
s.push('dog')
print(s.peek())
s.pop()
print(s.size())
```

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Exercise 2

► What is the output of the following code fragment?

```
s = Stack()
print(s.is_empty())
s.push(4)
print(s.peek())
s.pop()
s.push(8.4)
print(s.size())
s.push('dog')
print(s.peek())
s.pop()
print(s.size())
```

```
True
4
|
'dog'
|
```