

# Lecture

# \_\_bool\_\_()





`_bool_()`

```
__bool__()
```



`_bool_()`





## `__bool__()`

```
class SavingsAccount:

    def __init__(self, owner, acc_number):
        self.owner = owner
        self._acc_number = acc_number
        # The balance starts at 0
        self.balance = 0

    def deposit(self, amount):
        self.balance += amount

    def withdraw(self, amount):
        if self.balance - amount >= 0:
            self.balance -= amount
```



`_bool_()`

- `__bool__()`

- `__len__()`





`_bool_()`

# True



`_bool_()`

```
>>> account = SavingsAccount("Elizabeth", "543-2343-334")  
>>> bool(account)  
True
```





## `__bool__()`

```
class SavingsAccount:

    def __init__(self, owner, acc_number):
        self.owner = owner
        self._acc_number = acc_number
        # The balance starts at 0
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    def deposit(self, amount):
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        if self.balance - amount >= 0:
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    def __bool__(self):
        return self.balance > 0
```





## `__bool__()`

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class SavingsAccount:

    def __init__(self, owner, acc_number):
        self.owner = owner
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        # The balance starts at 0
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    def deposit(self, amount):
        self.balance += amount

    def withdraw(self, amount):
        if self.balance - amount >= 0:
            self.balance -= amount

    def __bool__(self):
        return self.balance > 0
```



## `_bool_()`

```
>>> account = SavingsAccount("Elizabeth", "543-2343-334")
>>> account.balance
0
>>> bool(account)
False
>>> account.deposit(5533.34)
>>> account.balance
5533.34
>>> bool(account)
True
```



## `_bool_()`

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>>> account = SavingsAccount("Elizabeth", "543-2343-334")
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