



Write a Class for Circle

radius

✓ area()

___ perimeter()



```
SCOops2.py
       import math
       class Circle:
           def __init__(self, radius):
                self.radius = radius
           def area(self):
                return math.pi * self.radius * self.radius
           def perimeter(self):
                return 2 * math.pi * self.radius
12
       c1 = Circle(7)
       print('Area:',c1.area())
       print('Perimeter:',c1.perimeter())
▶ Run 🗏 TODO 📵 Problems 🖪 Terminal 🗂 Python Packages 💠 Python Console
                                                                                                                                        O From Log
```

```
A2 ^ V
      class Book:
          def __init__(self, title, author, price):
              self.title = title
              self.author = author
              self.price = price
              show_details(self):
              print('Title:'_self.title)
              print('Author:', self.author)
              print('Price:', self.price)
12
      b1 = Book('Python Crash Course', 'Eric Matthews', 1000)
      b2 = Book('Learn Python', 'Mark Lutz', 500)
      b1.show_details()
      print('')
      b2.show_details()
```

Static Method

Class Calculator

add(a,b)
$$a+b$$

sub(a,b) $a-b$
mul(a,b) $a \neq b$
div(a,b) $a \neq b$

```
SCOopeR py SCOopeR py
          @staticmethod
          def add(a, b):
              return a + b
          @staticmethod
          def sub(a, b):
              return a - b
          @staticmethod
          def mul(a, b):
              return a * b
          @staticmethod
          def div(a, b):
              return a / b
20
      x = 10
      y = 3
      print(Calculator.add(x,y))
      print(Calculator.div(x,y))
```







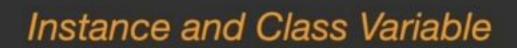
Instance and Class Variable

class Employee









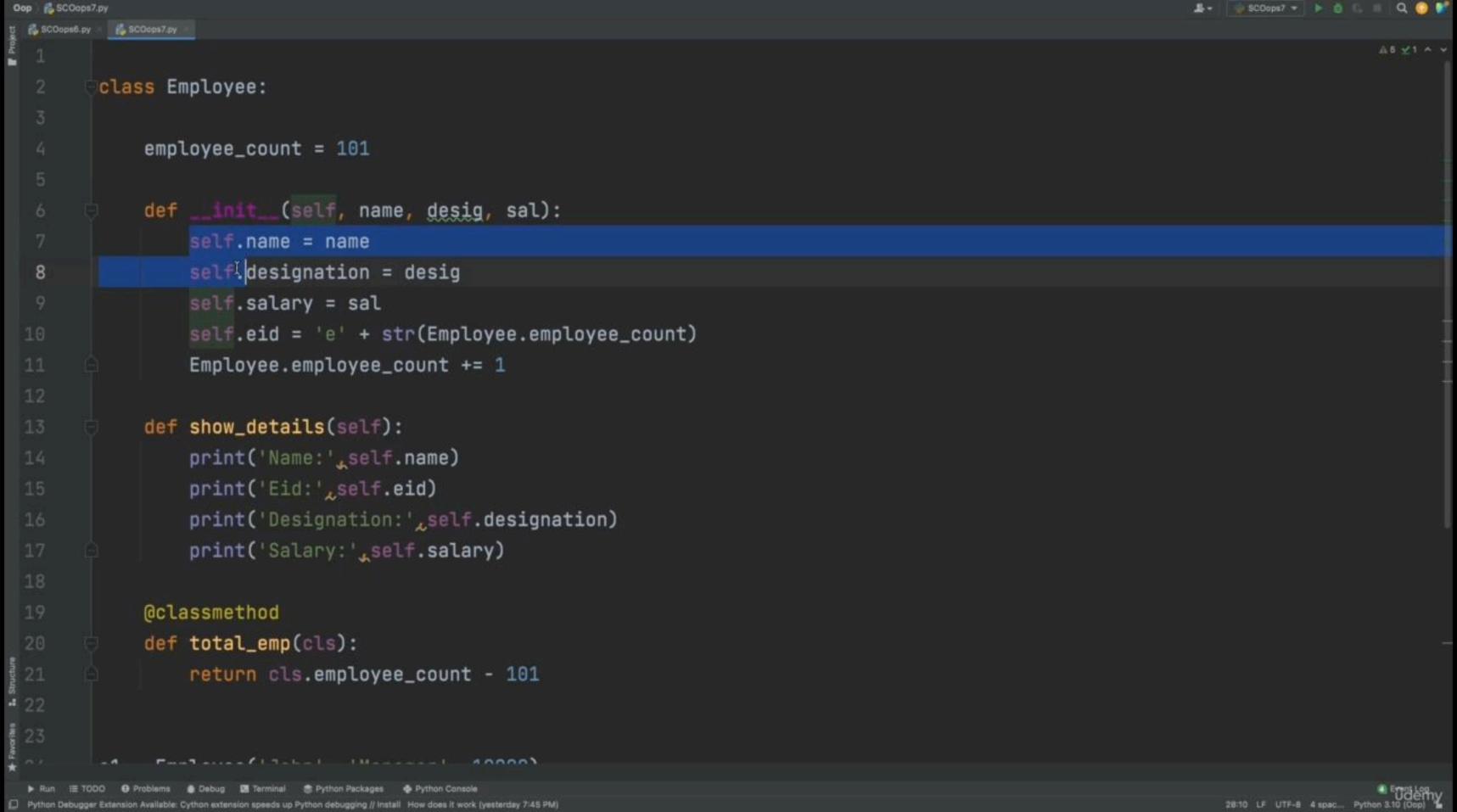
class Employee

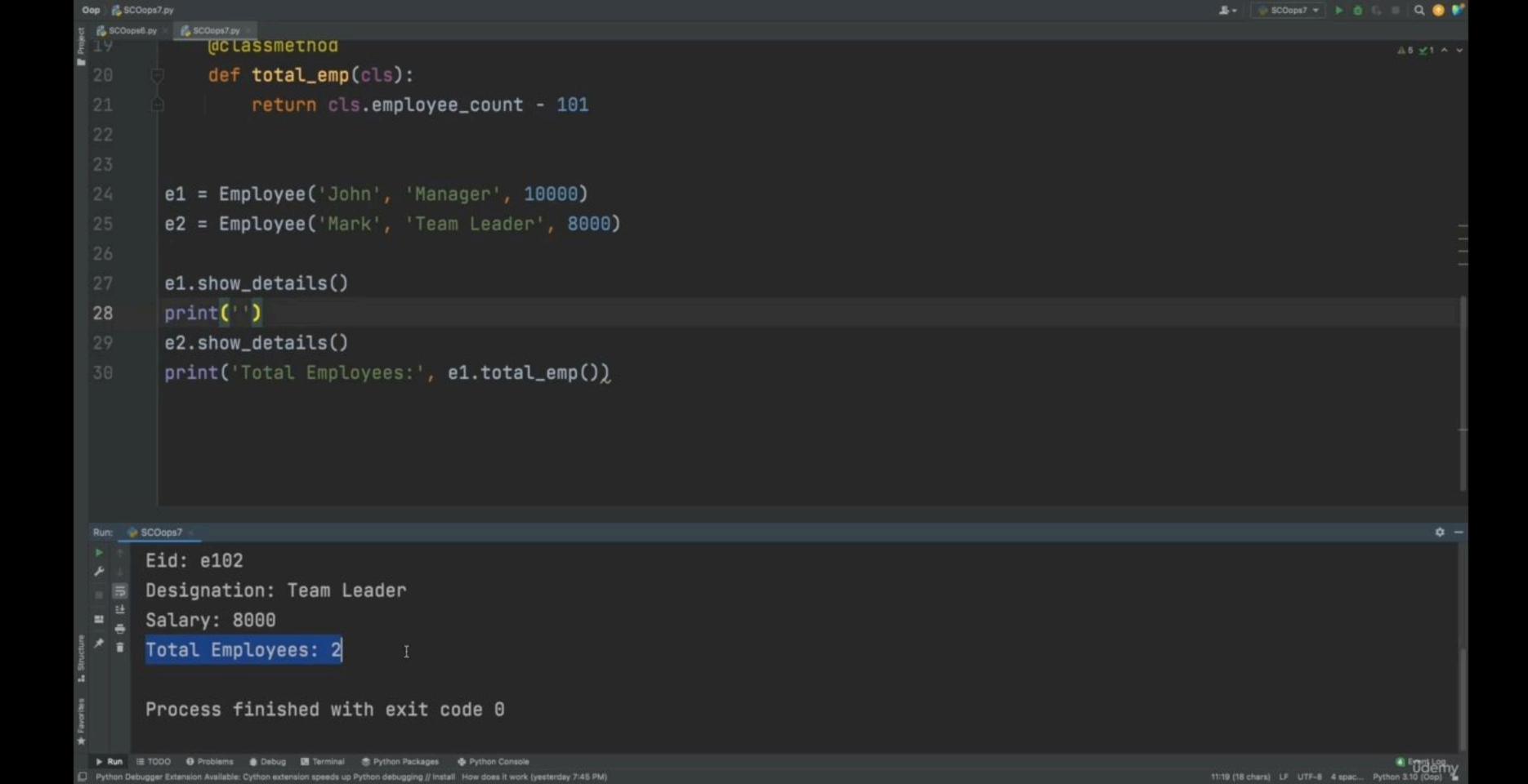
name designation ____

employee_count = 101

Show-details() -tatal-emp()(employee-count-101

Show-dotails ()
astaticmethod Calars method
total-emp ()





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Accessors Mutators

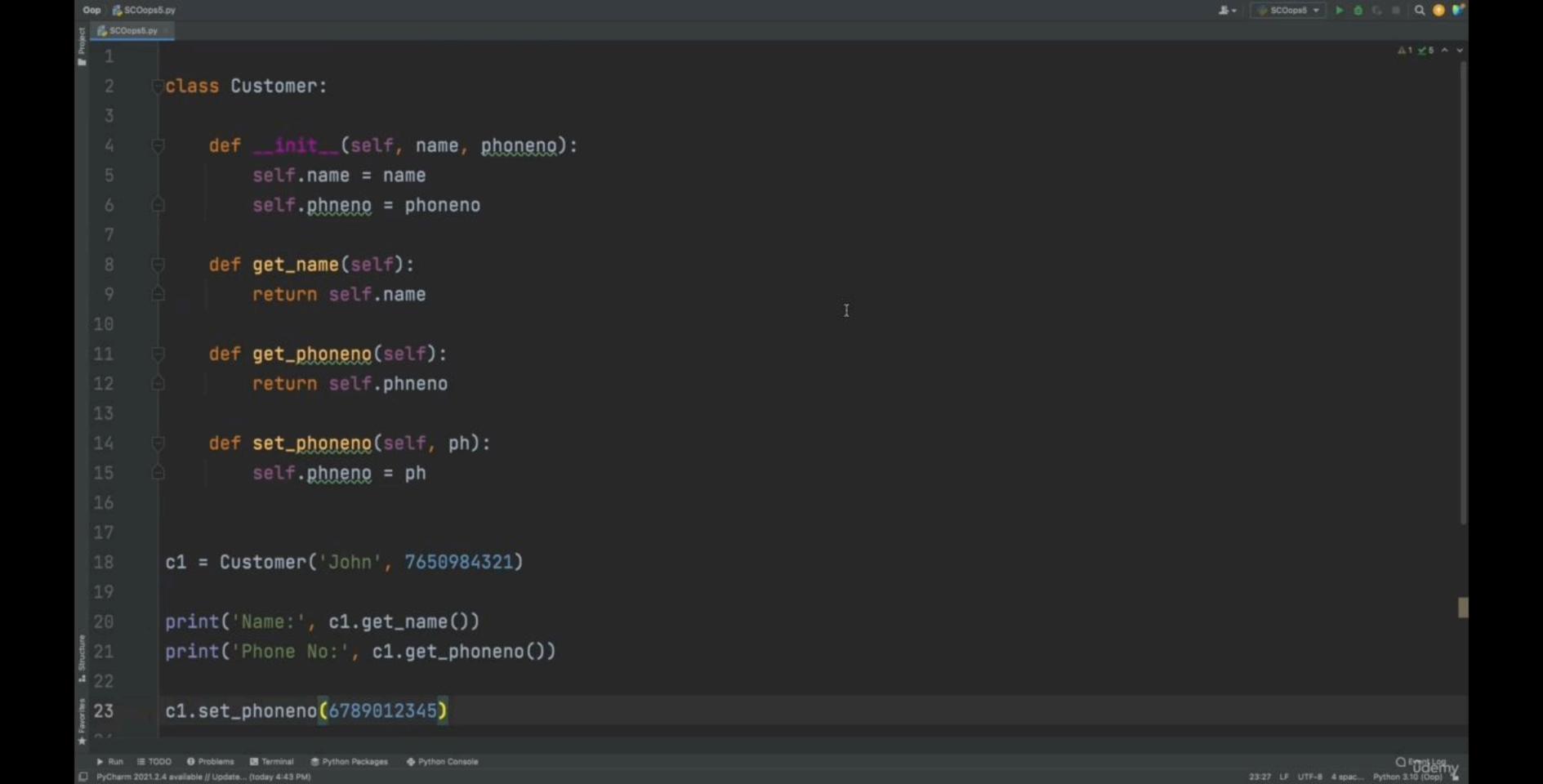
class Customer

name _____

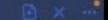
get_name()

get_phoneno()

set_phoneno()

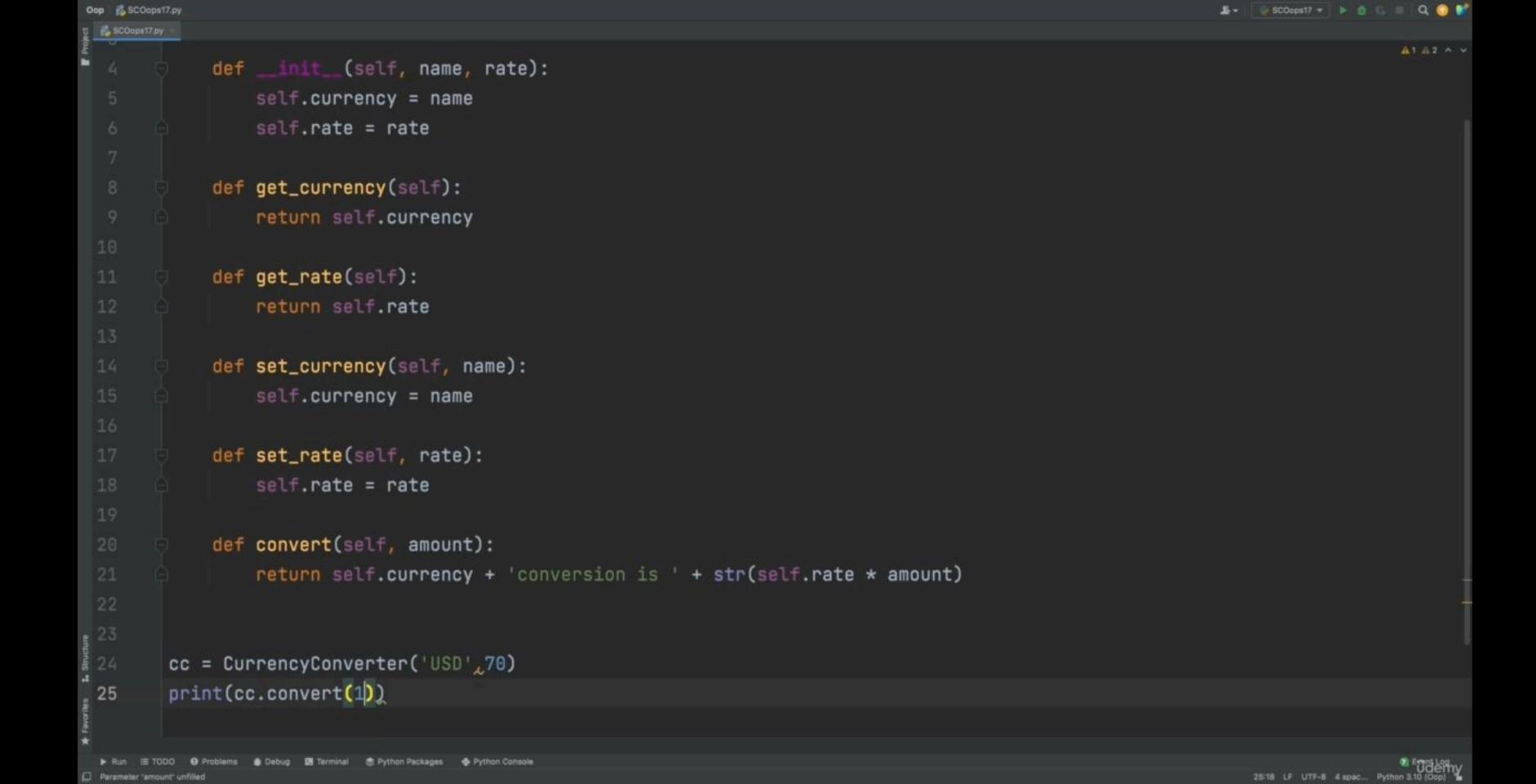






Accessor and Mutator

class CurrencyConverter



1 Bank

class Account

account_number withdraw() show_details() ____

AccNumber

MinimumBalanceError

Student Challenge

class Minimum Balance Error.

class Account:

- AccNumber = 1001 def -- init -- (self, name, balance)

det deposit (self, amt)

withdraw (self, ant) show-datails(

