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class bankaccount():
    def __init__(self):
        self.__balance = 0
        self.__transaction = 0
        self._dict = {}
        print("
=====
---  Welcome to Times Bank  ---
=====

1.Open an new account
2.Deposit money
3.Withdraw money
4.Check
5.Exit/Quit
6.dictionary
")
        _choice = int(
            input('Please select your choice from the above menu :->'))
        if (_choice == int(1)):
            self.new_account()
            self.deposit()
            self.withdraw()
            self.check()
        elif (_choice == int(2)):
            self.deposit()
        elif (_choice == int(3)):
            self.withdraw()
        elif (_choice == int(4)):
            self.check()
        elif (_choice == int(5)):
            self._exit()
        elif (_choice == int(6)):
            self.dictionary()
        else:
            self.__init__()

    def new_account(self):
        print("Deposit Minimum Rs.500")
        ammm = int(input('enter initial ammount:'))
        if ammm >= int(500):
            self.__balance += ammm
            self.__transaction += 1
            _name = str(input('Enter your name: '))
            _pin = int(input('enter four digit password: '))
            self._dict.update({_name: _pin})
            print(f'Welcome {_name}, your pin number is {_pin}')
        else:
            print('_____please deposit initial ammount_____')
            self.__init__()

    def deposit(self):
        inn = str(input("do you want to deposit
(yes or no):
"))

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if inn == "yes":
    _name = str(input('Enter your name: '))
    _pin = int(input('enter four digit password: '))
    _dep = float(input('Enter ammount to deposit :'))
    self.__balance += _dep
    self.__transaction += 1
    print(f'your current balance is {self.__balance}')
    print(f'no of transacations : {self.__transaction}')
    __con = str(input('are you wish to continue\n (yes or no) :'))
    if __con == 'yes':
        self.__init__()
    else:
        print("Welcome")
else:
    self.__init__()

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def withdraw(self):
    inn = str(input('do you want to withdraw:'))
    if inn == "yes":
        _name = str(input('Enter your name: '))
        _pin = int(input('enter four digit password: '))
        _wit = float(input('Enter withdraw ammount :'))
        self.__balance -= _wit
        self.__transaction += 1
        print(f'your currenrt balance is {self.__balance}')
        print(f'no of transactions : {self.__transaction}')
        __con = str(input('are you wish to continue\n (yes or no) :'))
        if __con == 'yes':
            self.__init__()
        else:
            print("Welcome")
    else:
        self.__init__()

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def check(self):
    inn = str(input('do you want to check:'))
    if inn == "yes":
        _name = str(input('Enter your name: '))
        _pin = int(input('enter four digit password: '))
        (f'no of transactions {self.__transaction}: ')
        (f'your current balance is {self.__balance}')
        __con = str(input('are you wish to continue\n (yes or no) :'))
        if __con == 'yes':
            self.__init__()
        else:
            print("Welcome")
    else:
        self.__init__()

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def _exit(self):
    print("Thanks for using Times Bank")

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def dictionary(self):
    print(self.__dict)

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#def total_transaction(self):  
# print (f'your transactions {self.transaction}')
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profile_1 = bankaccount()
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