

▼ HW02 - Class ATM with 5 methods

```
1 class ATM:
2     def __init__(self, name, account_number, balance=0):
3         self.name = name
4         self.account_number = account_number
5         self.balance = balance
6
7     def account_detail(self):
8         print(f"Account name: {self.name.upper()}")
9         print(f"Account number: {self.account_number}")
10        print(f"Available balance: {self.balance} THB")
11
12    def deposit(self, amount):
13        self.amount = amount
14        self.balance += self.amount
15        print(f"Deposit {amount} THB successfully!")
16        print(f"Current balance: {self.balance} THB")
17
18    def withdraw(self, amount):
19        self.amount = amount
20        if self.balance < self.amount:
21            print(f"Sorry! Your balance have only {self.balance} THB. It's not enough ")
22            print("Please deposit more or withdraw lesser than your balance.")
23        else:
24            self.balance -= self.amount
25            print(f"Withdraw {amount} THB successfully!")
26            print(f"Current balance: {self.balance} THB")
27
28    def transfer(self, amount, account_receiver_number):
29        self.amount = amount
30        self.account_receiver = account_receiver_number
31        if self.balance < self.amount:
32            print(f"Cannot transfer! Your balance has only {self.balance} THB.")
33            print("Please transfer lesser amount than your balance.")
34        else:
35            self.balance -= self.amount
36            print(f"Transfer {amount} to {account_receiver_number} successfully!")
37            print(f"Available balance: {self.balance} THB")
38
39    def check_balance(self):
40        print(f"Available balance: {self.balance} THB")
```

```
1 atm = ATM("Names", "123456789")
```

```
1 atm.account_detail()
```

```
Account name: NAMES
Account number: 123456789
Available balance: 0 THB
```

```
1 atm.check_balance()
```

```
Available balance: 0 THB
```

```
1 atm.withdraw(1000)
```

```
Sorry! Your balance have only 0 THB. It's not enough
Please deposit more or withdraw lesser than your balance.
```

```
1 atm.transfer(1000, 123322)
```

```
Cannot transfer! Your balance has only 0 THB.
Please transfer lesser amount than your balance.
```

```
1 atm.deposit(100000)
```

```
Deposit 100000 THB successfully!
Current balance: 100000 THB
```

```
1 atm.check_balance()
```

```
Available balance: 100000 THB
```

```
1 atm.withdraw(30000)
```

```
Withdraw 30000 THB successfully!  
Current balance: 70000 THB
```

```
1 atm.transfer(50000, 1150)
```

```
Transfer 50000 to 1150 successfully!  
Available balance: 20000 THB
```

```
1 atm.account_detail()
```

```
Account name: NAMES  
Account number: 123456789  
Available balance: 20000 THB
```

```
1
```