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```
Windows PowerShell
PS F:\0Deliverable\20191111\21\银行系统\part1> python .\application.py
Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:1

Name on account: acc2
Enter initial balance: 100

---Account successfully created---
Account number: 5
Name on account: acc2
Balance: 100.000000
Account opened date: 2019-11-14 08:03:07
-----

Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:2

Enter account number: 5
---Checking account balance---
Account number: 5
Name on account: acc2
Balance: 100.000000
Account opened date: 2019-11-14 08:03:07
-----

Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:0

Goodbye
PS F:\0Deliverable\20191111\21\银行系统\part1> _
```

2、

Change account_dao.py:

```
import time
from account import Account
import datetime

from account import Account

class AccountDao:
    def __init__(self, con):
        self.__con = con

    def insert(self, name_on_account, balance):
        try:
            with self.__con.cursor() as cur:
```

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        sql = "INSERT INTO account(name_on_account,
balance) VALUES('%s', '%f')" % (name_on_account, balance)
        cur.execute(sql)
        last_id = cur.lastrowid
        return last_id
    except Exception as e:
        self.__con.rollback()
        return None
    finally:
        self.__con.commit()
        print("current time:" +
datetime.datetime.now().strftime('%Y-%m-%d %H:%M:%S'))

    def find_by_id(self, account_no):
        try:
            with self.__con.cursor() as cur:
                sql = "SELECT * FROM account WHERE account_no
= '%d'" % account_no
                cur.execute(sql)
                rows = cur.fetchall()
                return Account(rows[0][0], rows[0][1], rows[0][2],
rows[0][3])
        except Exception as e:
            return None
        finally:
            self.__con.commit()
            print("current time:" +
datetime.datetime.now().strftime('%Y-%m-%d %H:%M:%S'))

```

result:

```
Windows PowerShell
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Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:2

Enter account number: 6
current time:2019-11-14 08:15:35
Checking account balance
Account number: 6
Name on account: test_ac
Balance: 200.000000
Account opened date: 2019-11-14 08:12:14
-----

Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:0

Goodbye
PS F:\0Deliverable\20191111\21\银行系统\part1>
```

```
Goodbye
PS F:\0Deliverable\20191111\21\银行系统\part1> python .\application.py
Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:2

Enter account number: 5
current time:2019-11-14 08:18:01
---Checking account balance---
Account number: 5
Name on account: acc2
Balance: 100.000000
Account opened date: 2019-11-14 08:03:07
-----

Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:2

Enter account number: 4
current time:2019-11-14 08:18:07
---Checking account balance---
Account number: 4
Name on account: Allen
Balance: 50.000000
Account opened date: 2019-11-11 12:09:13
-----

Main Menu
1 - Create Account
2 - Check Balance
3 - Deposit
4 - Withdraw
5 - Transfer
0 - Quit
Enter your choice:
```