

1、新建数据库

	列名	数据类型	允许 Null 值
▶	username	nchar(10)	<input type="checkbox"/>
	userpassword	nchar(10)	<input type="checkbox"/>
			<input type="checkbox"/>

	username	userpassword
	user1	123
	user2	23444
	user3	0987abc
	user4	12345xy.
	user5	abcdefg
▶*	NULL	NULL

2、python 代码如下

```
import pymssql

# 数据库连接
conn = pymssql.connect(host='(local)', database='USER_DB',
charset="CP936")

if conn:
    print("数据库连接成功!")
else:
    print("数据库连接失败!")

# 账号注册
def Register():
    cur = conn.cursor()
    newusername = input("请输入注册账号:")
    newpassword = input("请输入账号密码:")
    renewpassword = input("请确认密码:")
    sql = 'select count(*) from user_1 where username=%s'
    cur.execute(sql, (newusername,))
    result1 = cur.fetchone()
```

```

    if newusername == "":
        print("注册账号不得为空!")
    elif newpassword == "":
        print("账号密码不得为空!")
    elif renewpassword == "":
        print("请确认密码!")
    elif newpassword != renewpassword:
        print("两次密码不一致!请重新确认密码!")
    elif result1[0] == True:
        print("该账号已注册!请重新注册!")
        Register()
    else:
        print("新账号注册成功!")
        sql = "insert into user_1 (username, password,userpwd) values (%s, %s,%s)"
        cur.execute(sql, (newusername, newpassword, newusername + newpassword))
        conn.commit()
        Main()
        cur.close()

# 账号登录
def Login():
    cur = conn.cursor()
    username = input("请输入账号:")
    password = input("请输入密码:")
    sql = 'select count(*) from user_1 where userpwd=%s '
    cur.execute(sql, (username + password,))
    result1 = cur.fetchone()
    if username == "":
        print("账号不得为空!")
    elif password == "":
        print("账号密码不得为空!")
    elif result1[0] == True:
        print("账号登录成功!")
        cur.close()
        Main()
    else:
        sql = 'select count(*) from user_1 where username=%s'
        cur.execute(sql, (username,))
        result1 = cur.fetchone()
        if result1[0] == False:
            num = input("账号不存在,是否选择注册一个新账号?\n1、是; 2、否\n")

```

```

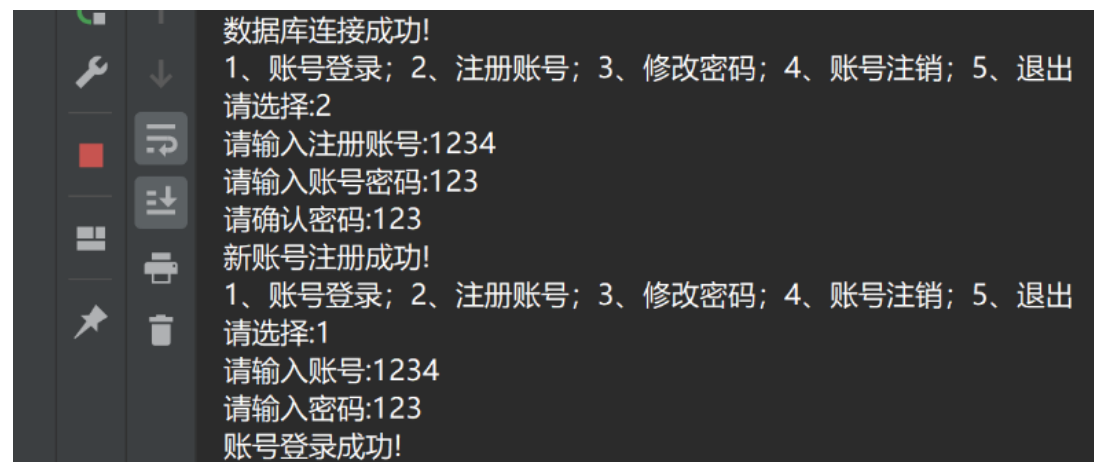
        if num == "1":
            Register()
        else:
            Main()
    else:
        print("账号密码错误!")
        Login()
    cur.close()

def Main():
    num = input("1、账号登录; 2、注册账号; 3、退出\n 请选择:")
    if num == "1":
        Login()
    elif num == "2":
        Register()
    elif num == "3":
        pass
    else:
        print("请重新输入!")
        Main()

if __name__ == "__main__":
    Main()

```

3、运行结果



```

数据库连接成功!
1、账号登录; 2、注册账号; 3、修改密码; 4、账号注销; 5、退出
请选择:2
请输入注册账号:1234
请输入账号密码:123
请确认密码:123
新账号注册成功!
1、账号登录; 2、注册账号; 3、修改密码; 4、账号注销; 5、退出
请选择:1
请输入账号:1234
请输入密码:123
账号登录成功!

```