

```
"""
```

```
模拟银行管理系统
功能菜单
```

- ```
1. 开户
2. 存款
3. 取款
4. 转账
5. 查询
6. 退出
```

```
"""
```

```
import getpass
MENU = {
 "create_account": "开户",
 "save_money": "存款",
 "withdraw_money": "取款",
 "transfer_money": "转账",
 "query_account": "查询",
 "exit_system": "退出"
}
CARDIDS = "6666"
CARDNUM = "11111"
CARDIDE = "0000"
CARD = []
STATUS = {"001": "非法访问", "002": "密码错误", "003": "卡号不存在", "004": "余额不足", "005": "撤销操作"}

def query_account(*args, **kwargs):
 cardid = input("请输入您的卡号: ")
 for _ in CARD:
 if _["id"] == cardid:
 password = getpass.getpass("请输入您的密码: ")

def menu(*args, **kwargs):
 i = 1
 str = f"请选择功能: \n"
 for key, value in MENU.items():
 str += f"{i}.{value}\n"
 i += 1
 return str

def create_account(*args, **kwargs):
 global CARDNUM
 name = input("请输入您的姓名: ")
 password = getpass.getpass("请输入您的密码: ")
 money = float(input("请输入您的存款金额: "))
 ID = CARDIDS + CARDNUM + CARDIDE
 CARD.append({"id": ID, "name": name, "password": password, "money": money})
 CARDNUM = str(int(CARDNUM) + 1)
 return CARD

def update_money(*args, **kwargs):
 if args[0] == 1:
 k = "存款"
```

```

elif args[0] == 0:
 k = "取款"
else:
 return False
cardid = input("请输入您的卡号: ")
for _ in CARD:
 if _["id"] == cardid:
 password = getpass.getpass("请输入您的密码: ")
 if _["password"] == password:
 price = float(input(f"请输入您要{k}的金额: "))
 if args[0] == 1:
 _["money"] += price
 elif args[0] == 0:
 if _["money"] >= price:
 _["money"] -= price
 else:
 return STATUS["004"] #004错误代码表示余额不足
 _["money"] -= price
 else:
 return STATUS["001"] #001错误代码表示非法访问
 return price
 return STATUS["002"] #002错误代码表示密码错误
 return STATUS["003"] #003错误代码表示卡号不存在

```

```

def transfer_money(*args,**kwargs):
 cardid = input("请输入您的卡号: ")
 for _ in CARD:
 if _["id"] == cardid:
 password = getpass.getpass("请输入您的密码: ")
 if _["password"] == password:
 otherid = input("请输入您要转账的卡号: ")
 for __ in CARD:
 if __["id"] == otherid:
 price = float(input("请输入您要转账的金额: "))
 print(f"核对对方信息与转账金额: {__['name']}的卡号{__['id']}, 您要
转账{price}元")
 reok = input(f"请确认转账信息是否正确 (Y/N): ")
 if reok.upper() == "Y":
 if _["money"] >= price:
 _["money"] -= price
 __["money"] += price
 else:
 return STATUS["004"] #004错误代码表示余额不足
 else:
 return STATUS["005"] #005错误代码表示撤销操作
 return STATUS["002"] #002错误代码表示密码错误
 return STATUS["003"] #003错误代码表示卡号不存在

```

```

def query_account(*args,**kwargs):
 cardid = input("请输入您的卡号: ")
 for _ in CARD:
 if _["id"] == cardid:
 password = getpass.getpass("请输入您的密码: ")

```

```
 if _["password"] == password:
 return _
 return STATUS["002"] #002错误代码表示密码错误
 return STATUS["003"] #003错误代码表示卡号不存在
```

#主函数

```
if __name__ == '__main__':
 while True:
 print(menu())
 choice = input("请输入您的选择: ")
 if choice in MENU:
 if MENU[choice] == "开户":
 create_account()
 elif MENU[choice] == "存款":
 update_money(1)
 elif MENU[choice] == "取款":
 update_money(0)
 elif MENU[choice] == "转账":
 transfer_money()
 elif MENU[choice] == "查询":
 query_account()
 elif MENU[choice] == "退出":
 exit()
 else:
 print(STATUS["001"]) #001错误代码表示非法访问
 else:
 print("输入错误，请重新输入")
```