import random  
import sys  
  
  
class ATM():  
 def \_\_init\_\_(self, name, account\_number, balance=0):  
 self.name = name  
 self.account\_number = account\_number  
 self.balance = balance  
  
 def account\_detail(self):  
 print("\n----------ACCOUNT DETAIL----------")  
 print(f"Account Holder: {self.name.upper()}")  
 print(f"Account Number: {self.account\_number}")  
 print(f"Available balance: Nu.{self.balance}\n")  
  
 def deposit(self, amount):  
 self.amount = amount  
 self.balance = self.balance + self.amount  
 print("Current account balance: Nu.", self.balance)  
 print()  
  
 def withdraw(self, amount):  
 self.amount = amount  
 if self.amount > self.balance:  
 print("Insufficient fund!")  
 print(f"Your balance is Nu.{self.balance} only.")  
 print("Try with lesser amount than balance.")  
 print()  
 else:  
 self.balance = self.balance - self.amount  
 print(f"Nu.{amount} withdrawal successful!")  
 print("Current account balance: Nu.", self.balance)  
 print()  
  
 def check\_balance(self):  
 print("Available balance: Nu.", self.balance)  
 print()  
  
 def transaction(self):  
 print("""  
 TRANSACTION   
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Menu:  
 1. Account Detail  
 2. Check Balance  
 3. Deposit  
 4. Withdraw  
 5. Exit  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 """)  
  
 while True:  
 try:  
 option = int(input("Enter 1, 2, 3, 4 or 5:"))  
 except:  
 print("Error: Enter 1, 2, 3, 4, or 5 only!\n")  
 continue  
 else:  
 if option == 1:  
 atm.account\_detail()  
 elif option == 2:  
 atm.check\_balance()  
 elif option == 3:  
 amount = int(input("How much you want to deposit(Nu.):"))  
 atm.deposit(amount)  
 elif option == 4:  
 amount = int(input("How much you want to withdraw(Nu.):"))  
 atm.withdraw(amount)  
 elif option == 5:  
 print(f"""  
 printing receipt..............  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 Transaction is now complete.   
 Transaction number: {random.randint(10000, 1000000)}   
 Account holder: {self.name.upper()}   
 Account number: {self.account\_number}   
 Available balance: Nu.{self.balance}   
  
 Thanks for choosing us as your bank   
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 """)  
 sys.exit()  
  
  
print("\*\*\*\*\*\*\*WELCOME TO BANK OF BHUTAN\*\*\*\*\*\*\*")  
print("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n")  
print("----------ACCOUNT CREATION----------")  
name = input("Enter your name: ")  
account\_number = input("Enter your account number: ")  
print("Congratulations! Account created successfully......\n")  
  
atm = ATM(name, account\_number)  
  
while True:  
 trans = input("Do you want to do any transaction?(y/n):")  
 if trans == "y":  
 atm.transaction()  
 elif trans == "n":  
 print("""  
 -------------------------------------  
 | Thanks for choosing us as your bank |  
 | Visit us again! |  
 -------------------------------------  
 """)  
 break  
 else:  
 print("Wrong command! Enter 'y' for yes and 'n' for NO.\n")