Mini Project 2 : Write a python program to replicate a Banking system. The following features are mandatory:

1. NEW ACCOUNT
2. ACCOUNT LOGIN
3. DEPOSIT AMOUNT
4. WITHDRAW AMOUNT
5. BALANCE ENQUIRY
6. DISPLAY ACCOUNT DETAILS
7. EXIT

In [15]:
```
class BankAccount:
    def __init__(self, account_number, name, balance=0):
        self.account_number = account_number
        self.name = name
        self.balance = balance

    def deposit(self, amount):
        if amount > 0:
            self.balance += amount
            print(f"Deposited ₹{amount}. New balance: ₹{self.balance}")
        else:
            print("Invalid amount. Please enter a positive number.")

    def withdraw(self, amount):
        if 0 < amount <= self.balance:
            self.balance -= amount
            print(f"Withdrew ₹{amount}. New balance: ₹{self.balance}")
        else:
            print("Insufficient funds or invalid amount.")

    def display_balance(self):
        print(f"Account Balance for {self.name} Account Number: {self.accou

    def modifyaccount(self):

        print("Account Number : ", self.account_number)

        self.name = input("Modify Account Holder Name :")

        self.deposit = int(input("Modify Balance :"))


def create_account(accounts):
    account_number = input("Enter account number: ")
    name = input("Enter your name: ")
    initial_balance = float(input("Enter initial balance: "))
    new_account = BankAccount(account_number, name, initial_balance)
    accounts[account_number] = new_account
    print("Account created successfully!")


def login(accounts):
    account_number = input("Enter account number: ")
    if account_number in accounts:
        return accounts[account_number]
    else:
        print("Account not found. Please try again.")
        return None


def main():
    print("**********Welcome to Banking Management System**************")
    accounts = {}

    while True:
        print("\n1. Create Account\n2. Login\n3. Exit")
        choice = input("Enter your choice: ")

        if choice == "1":
            create_account(accounts)
        elif choice == "2":
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```
            account = login(accounts)
            if account:
                while True:
                    print("\n1. Deposit\n2. Withdraw\n3. Display Balance\n4
                    user_choice = input("Enter your choice: ")
                    if user_choice == "1":
                        amount = float(input("Enter deposit amount: "))
                        account.deposit(amount)
                    elif user_choice == "2":
                        amount = float(input("Enter withdrawal amount: "))
                        account.withdraw(amount)
                    elif user_choice == "3":
                        account.display_balance()
                    elif user_choice == "4":
                        print("Logged out successfully.")
                        break
                    else:
                        print("Invalid choice. Please try again.")
        elif choice == "3":
            print("Thank you for Banking Management System")
            break
        else:
            print("Invalid choice. Please try again.")


if __name__ == "__main__":
    main()
```

```
**********Welcome to Banking Management System**********

1. Create Account
2. Login
3. Exit
Enter your choice: 1
Enter account number: 456
Enter your name: Veenalakshmi P V
Enter initial balance: 4500
Account created successfully!

1. Create Account
2. Login
3. Exit
Enter your choice: 1
Enter account number: 485
Enter your name: BIJESH
Enter initial balance: 5000
Account created successfully!

1. Create Account
2. Login
3. Exit
Enter your choice: 2
Enter account number: 485

1. Deposit
2. Withdraw
3. Display Balance
4. Logout.
Enter your choice: 1
Enter deposit amount: 5000
Deposited ₹5000.0. New balance: ₹10000.0

1. Deposit
2. Withdraw
3. Display Balance
4. Logout.
Enter your choice: 2
Enter withdrawal amount: 5000
Withdrew ₹5000.0. New balance: ₹5000.0

1. Deposit
2. Withdraw
3. Display Balance
4. Logout.
Enter your choice: 3
Account Balance for BIJESH Account Number: 485: ₹5000.0

1. Deposit
2. Withdraw
3. Display Balance
4. Logout.
Enter your choice: 4
Logged out successfully.

1. Create Account
2. Login
3. Exit
```

```
Enter your choice: 3
Thank you for Banking Management System
```

In [ ]:

In [ ]:

In [ ]: