```java
package CODSOFT;


import java.util.Scanner;



class BankAccount {
    private double balance_amount;


    //now we write getter setter method

    public BankAccount(double initialBalance) {
        this.balance_amount = initialBalance;
    }

    public double getBalance() {
        return balance_amount;
    }

    public void deposit(double amount) {
      // new amount added in balance amount
        balance_amount += amount;
        System.out.println("Deposit successful. New current balance: " +
balance_amount);
    }

    public boolean withdraw(double amount) {
        if (amount <= balance_amount) {
            balance_amount -= amount;
            System.out.println("Withdrawal successful. now current balance:
" + balance_amount);
            return true;
        } else {
            System.out.println("Withdrawal failed. your account has not
sufficient amount for withdrawal.");
            return false;
        }
    }
}

class ATM {
    private BankAccount UserAccount;

    public ATM(BankAccount userAccount) {
        this.UserAccount = userAccount;
    }

    public void displayOnScreen() {
        System.out.println("ATM Menu:");
        System.out.println("1 Withdraw");
        System.out.println("2 Deposit");
        System.out.println("3 Check Balance");
        System.out.println("4 Exit");
    }

    public void handleUserInput() {
        Scanner sc = new Scanner(System.in);

        int choice;
```

```
        do {
            displayOnScreen();
            System.out.print("Enter your choice: ");
            choice = sc.nextInt();

            switch (choice) {
                case 1:
                    System.out.print("Enter withdrawal amount: ");
                    double withdraw_Amount = sc.nextDouble();
                    UserAccount.withdraw(withdraw_Amount);
                    break;
                case 2:
                    System.out.print("Enter deposit amount: ");
                    double deposit_Amount = sc.nextDouble();
                    UserAccount.deposit(deposit_Amount);
                    break;
                case 3:
                    System.out.println("Current balance: " +
UserAccount.getBalance());
                    break;
                case 4:
                    System.out.println("Exiting. Thank you.");
                    break;
                default:
                    System.out.println("Invalid choice. Please try
again.");
            }

        } while (choice != 4);
    }
}

public class TASK_3 {
    public static void main(String[] args) {

        BankAccount userAccount = new BankAccount(2000.0);//initial balance
=2000rs


        ATM atm = new ATM(userAccount);


        atm.handleUserInput();
    }
}
```