

CORE JAVA ASSIGNMENT

Name: **Rashi Sawardekar** Roll No: **31010924093** SYIT- B

BATCH 2

[files](#)

ASSIGNMENT 1

Q1.

Source Code:

```
import java.util.Scanner;

class BankAccount {
    float balance;
    String name;

    // Method to get account details
    void getDetails() {
        System.out.println("Account Holder: " + name);
        System.out.println("Current Balance: Rs." + balance);
    }

    // Method to deposit money
    void deposit(float amount) {
        balance += amount;
        System.out.println("Rs." + amount + " deposited successfully.");
    }

    // Method to withdraw money
    void withdraw(float amount) {
        if (amount <= balance) {
            balance -= amount;
            System.out.println("Rs." + amount + " withdrawn successfully.");
        } else {
            System.out.println("Insufficient balance.");
        }
    }
}

public class BankSystem {
```

```
public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    BankAccount account = new BankAccount();

    // Set up basic details
    System.out.print("Enter your name: ");
    account.name = sc.nextLine();
    System.out.print("Enter initial balance: Rs.");
    account.balance = sc.nextFloat();

    int choice;
    do {
        // Menu
        System.out.println("\n--- ATM Menu ---");
        System.out.println("1. Exit");
        System.out.println("2. Get Account Details");
        System.out.println("3. Deposit Money");
        System.out.println("4. Withdraw Money");
        System.out.print("Enter your choice: ");
        choice = sc.nextInt();

        switch (choice) {
            case 1:
                System.out.println("Exiting... Thank you!");
                break;

            case 2:
                account.getDetails();
                break;

            case 3:
                System.out.print("Enter amount to deposit: Rs.");
                float depositAmount = sc.nextFloat();
                account.deposit(depositAmount);
                break;
```

case 4:

```
System.out.print("Enter amount to withdraw: Rs.");
```

```
float withdrawAmount = sc.nextFloat();
```

```
account.withdraw(withdrawAmount);
```

```
break;
```

default:

```
System.out.println("Invalid choice. Please try again.");
```

```
}
```

```
} while (choice != 1); // Loop runs until user selects Exit
```

```
}
```

```
}
```

Output:

```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.22631.5624]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin\Desktop\Rashi SYIT B 093 CJ>javac BankSystem.java

C:\Users\Admin\Desktop\Rashi SYIT B 093 CJ>java BankSystem
Enter your name: Rashi Sawardekar
Enter initial balance: Rs.12005

--- ATM Menu ---
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 2
Account Holder: Rashi Sawardekar
Current Balance: Rs.12005.0

--- ATM Menu ---
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 3
Enter amount to deposit: Rs.4052
Rs.4052.0 deposited successfully.

--- ATM Menu ---
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 4
Enter amount to withdraw: Rs.2000
Rs.2000.0 withdrawn successfully.

--- ATM Menu ---
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 4
Enter amount to withdraw: Rs.14059
Insufficient balance.

--- ATM Menu ---
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 2
```

C:\Windows\System32\cmd.e X + v

```
3. Deposit Money
4. Withdraw Money
Enter your choice: 2
Account Holder: Rashi Sawardekar
Current Balance: Rs.12005.0
```

--- ATM Menu ---

```
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 3
Enter amount to deposit: Rs.4052
Rs.4052.0 deposited successfully.
```

--- ATM Menu ---

```
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 4
Enter amount to withdraw: Rs.2000
Rs.2000.0 withdrawn successfully.
```

--- ATM Menu ---

```
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 4
Enter amount to withdraw: Rs.14059
Insufficient balance.
```

--- ATM Menu ---

```
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 2
Account Holder: Rashi Sawardekar
Current Balance: Rs.14057.0
```

--- ATM Menu ---

```
1. Exit
2. Get Account Details
3. Deposit Money
4. Withdraw Money
Enter your choice: 1
Exiting... Thank you!
```

C:\Users\Admin\Desktop\Rashi SYIT B 093 CJ>

