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Class: SE A

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Subject: OOP & CG

```java
import java.util.Scanner;


public class SimpleATM {
    public static void main (String[] args) {
        Double balance = 1000.0;
        Scanner sc = new Scanner(System.in);
        int choice;


        do {
            System.out.println("----------ATM Menu----------");
            System.out.println("Choose an option: ");
            System.out.println("1. Check Balance ");
            System.out.println("2. Deposit Amount ");
            System.out.println("3. Withdraw Amount");
            System.out.println("4. Exit");


            choice = sc.nextInt();


            try {
                if (choice == 1) {
                    System.out.println("Balance in Rs is: " + balance);
                }
```

```java
    else if (choice == 2) {

        System.out.println("Enter Amount to deposit in Rs: ");

        double deposit = sc.nextDouble();

        if (deposit < 0) {

            throw new IllegalArgumentException("Enter a positive amount");

        }

        balance += deposit;

        System.out.println("Deposited Rs " + deposit);

    }

    else if (choice == 3) {

        System.out.println("Enter Amount to withdraw: ");

        double withdraw = sc.nextDouble();

        if (withdraw < 0) {

            throw new IllegalArgumentException("Enter a positive amount");

        }

        if (withdraw > balance) {

            System.out.println("Insufficient Balance!!!");

        }

        balance -= withdraw;

        System.out.println("Here's your cash: " + withdraw);

    }

    else if (choice != 4) {

        System.out.println("Invalid Option!!");

    }

} catch (Exception e) {

    System.out.println("Error: " + e.getMessage());

    sc.nextLine();

} finally {
```

```java
                System.out.println("Transaction completed");
            }
        } while(choice != 4);


        System.out.println("Thank you for using ATM");

        sc.close();
    }
}
```

OUTPUT :

----------ATM Menu----------

Choose an option:

1. Check Balance

2. Deposit Amount

3. Withdraw Amount

4. Exit

1

Balance in Rs is: 1000.0

Transaction completed

----------ATM Menu----------

Choose an option:

1. Check Balance

2. Deposit Amount

3. Withdraw Amount

4. Exit

2

Enter Amount to deposit in Rs:

500

Deposited Rs 500.0

Transaction completed

----------ATM Menu----------

Choose an option:

1. Check Balance

2. Deposit Amount

3. Withdraw Amount

4. Exit

1

Balance in Rs is: 1500.0

Transaction completed

----------ATM Menu----------

Choose an option:

1. Check Balance

2. Deposit Amount

3. Withdraw Amount

4. Exit

3

Enter Amount to withdraw:

200

Here's your cash: 200.0

Transaction completed

----------ATM Menu----------

Choose an option:

1. Check Balance

2. Deposit Amount

3. Withdraw Amount

4. Exit