CODSOFT-TASK3(ATM INTERFACE)

1 message

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```
import java.util.Scanner; public class ATM {

// The user's bank account
public BankAccount bankAccount;

// Constructor
public ATM(BankAccount bankAccount) {
this.bankAccount = bankAccount;
}

// Withdraws cash from the ATM
public void withdraw(){
System.out.println("Enter the amount you want to withdraw: ");
Scanner scanner = new Scanner(System.in);
int amount = scanner.nextInt();

withdraw(amount);
}

// Deposits cash into the ATM
public void deposit() {
System.out.println("Enter the amount you want to deposit: ");
Scanner scanner = new Scanner(System.in);
int amount = scanner.nextInt();

deposit(amount);
}


// Withdraws cash from the account
private void withdraw(int amount) {
if (bankAccount.getBalance() < amount) {
System.out.println("Insufficient funds");
}
else
{

bankAccount.withdraw(amount);
System.out.println("Amount Withdraw Sucessfully "+amount);
}
}

// Deposits cash into the account
private void deposit(int amount) {
bankAccount.deposit(amount);
System.out.println("Amount Deposited Sucessfully "+amount);
}

// Checks the account balance
private void checkBalance() {
System.out.println("Your account balance is: "+bankAccount.getBalance());
}









public static void main(String[] args){
BankAccount bankAccount = new BankAccount(1000);
ATM atm = new ATM(bankAccount);
```

```
int choice;
Scanner scanner = new Scanner(System.in);
do
{
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");

System.out.println("Please enter your choice: ");
choice = scanner.nextInt();

switch (choice) {
case 1:
atm.withdraw();
break;
case 2:
atm.deposit();
break;
case 3:
atm.checkBalance();
break;
case 4:
System.exit(0);
break;
default:
System.out.println("Invalid choice");
}

}while(choice!=4);
scanner.close();
}

}
```

```
public class
BankAccount
{

// The account balance
private int balance;

// Constructor
public BankAccount(int balance) {
this.balance = balance;
}

// Withdraws cash from the account
public void withdraw(int amount){
if (balance < amount) {
// System.out.println("Insufficient funds");
}

balance -= amount;
}

// Deposits cash into the account
public void deposit(int amount) {
balance += amount;
}

// Checks the account balance
public int getBalance() {
return balance;
}
}
```