In the first round of HR interview for a banking sector,  HR decides to make candidates design an application which provides only  information on transaction like amount withdrawn with respect to fields given. Develop a program to implement this scenario.

Create a class Account with the private attributes:

* accountId  int
* accountType String
* balance int

The method **public** **boolean withdraw(int)** used  to calculate the current balance of the respective account. Before that it should enough balance.  If there is enough balance, deduct the amount from the balance and print "Balance amount after withdraw: XXX" and return true.  If there is no enough balance, print "Sorry!!! No enough balance" and return false.

Create a class AccountDetails with main function and the below methods :

* public Account getAccountDetails() -  This methods gets the input related to Account from the user and returns the Account object with all values set.  If the input given for balance is less than or equal to zero, consider it as invalid and display "Balance should be positive". Continue this kind of evaluation till user enters a positive value.

* public int getWithdrawAmount() -  This methods gets the amount to be withdrawn as input from the user and returns the same.  If the input given for amount is less than or equal to zero, consider it as invalid and display "Amount should be positive". Continue this kind of evaluation till user enters a positive value.

**Use appropriate getters and setters.**

**Sample input 1:**

Enter account id:

100  
Enter account type:

Savings

Enter balance:

10000  
Enter amount to be withdrawn:

500

**Sample Output 1:**

Balance amount after withdraw: 9500

**Sample input 2:**  
Enter account id:

101  
Enter account type:

Savings  
Enter balance:  
1000  
Enter amount to be withdrawn:  
1500

**Sample Output 2:**

Sorry!!! No enough balance

**Sample input 3:**

Enter account id:

100

Enter account type:

Savings

Enter balance:

-100

Balance should be positive

Enter balance:

5000

Enter amount to be withdrawn:  
500

**Sample Output 1:**

Balance amount after withdraw: 4500

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Solution:

//AccountDetails.java

import java.util.\*;

public class AccountDetails

{

public static Account getAccountDetails()

{ Scanner sc=new Scanner(System.in);

System.out.println("Enter account id:");

int acntid=sc.nextInt();

System.out.println("Enter account type:");

String type=sc.next();

int bal;

while(true)

{

System.out.println("Enter balance:");

bal=sc.nextInt();

if(bal>0)

break;

else

{

System.out.println("Balance should be positive");

}

}

Account ac=new Account();

ac.setAccountId(acntid);

ac.setAccountType(type);

ac.setBalance(bal);

return ac;

}

public static int getWithdrawAmount()

{

Scanner sc1=new Scanner(System.in);

while(true)

{

System.out.println("Enter amount to be withdrawn:");

int wit=sc1.nextInt();

if(wit>0)

{System.out.println(wit);

return wit;

}

else

{

System.out.println("Amount should be positive");

}

}

}

public static void main (String[] args) {

Account a=getAccountDetails();

int w=getWithdrawAmount();

boolean totalamnt=a.withdraw(w);

if(totalamnt==true)

System.out.println("Balance amount after withdraw:"+a.getBalance());

else

System.out.println("Sorry!!! No enough balance");

}

}

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//Account.java

public class Account

{

private int accountId;

private String accountType;

private int balance;

public int getAccountId() {

return accountId;

}

public void setAccountId(int accountId) {

this.accountId = accountId;

}

public String getAccountType() {

return accountType;

}

public void setAccountType(String accountType) {

this.accountType = accountType;

}

public int getBalance() {

return balance;

}

public void setBalance(int balance) {

this.balance = balance;

}

public boolean withdraw(int amnt)

{

if(balance-amnt>0)

{ balance=balance-amnt;

return true;

}

else

{

return false;

}

}

}