

```

package package_01;

import java.util.Scanner;

class Bank_Account {
protected int balance;

void deposit() {
System.out.println("Enter the amount to deposit:");
Scanner scanner = new Scanner(System.in);
int deposit = scanner.nextInt();
balance += deposit;
System.out.println("The new balance after deposit is: " + balance);
}

void withdraw() {
System.out.println("Enter the amount to withdraw:");
Scanner scanner = new Scanner(System.in);
int withdraw = scanner.nextInt();
if (withdraw <= balance) {
balance -= withdraw;
System.out.println("The new balance after withdrawal is: " + balance);
} else {
System.out.println("Insufficient funds for withdrawal.");
}
}
}

class Savings extends Bank_Account {
void withdraw() {
System.out.println("Enter the amount to withdraw:");
Scanner scanner = new Scanner(System.in);
int withdraw = scanner.nextInt();
if (balance - withdraw >= 100) {
balance -= withdraw;
System.out.println("Withdrawal successful. The new balance is: " + balance);
} else {
System.out.println("Cannot withdraw. Balance cannot fall below $100.");
}
}
}

class NewBoy
{
public static void main(String[] args) {
Savings s = new Savings();
s.deposit();
s.withdraw();
}
}

```

Output:

Enter the amount to deposit:

3000

The new balance after deposit is: 3000

Enter the amount to withdraw:

1000

Withdrawal successful. The new balance is: 2000