

INTERMEDIATE PROGRAMMING
Package Activity

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Mar 15, 2022

SOURCE CODE

Main method (Class: AccountRun)

```
package object_oriented_programming;
import java.util.Scanner;
//Marasigan, Vem Aiensi
public class AccountRun
{
    static Scanner scan = new Scanner(System.in);
    public static void main(String[] args)
    {
        //Account 1
        Account account1 = new Account();
        account1.name = "Account 1";
        account1.balance = 150;
        account1.Show_Balance();

        //Account 2
        Account account2 = new Account();
        account2.name = "Account 2";
        account2.balance = 500.53;
        account2.Show_Balance();

        System.out.println();

        System.out.print("Enter withdrawal for " +account1.name + ": ");
        account1.withdrawal = scan.nextDouble();
        System.out.println();
        account1.debit();
        account1.Show_Balance();
        account2.Show_Balance();
        System.out.println();

        System.out.print("Enter withdrawal for " +account2.name + ": ");
        account2.withdrawal = scan.nextDouble();
        System.out.println();
        account2.debit();
        account1.Show_Balance();
        account2.Show_Balance();
        System.out.println();
    }
}
```

Class: Account & Method: debit

```
package object_oriented_programming;
import java.text.DecimalFormat;

public class Account
{
    DecimalFormat df = new DecimalFormat("$#,###.00");
    String name = "";
    double balance = 0;
    double withdrawal = 0;

    void debit()
    {
        System.out.print("Subtracting " + df.format(this.withdrawal)
            + " from " + this.name + "'s balance\n");

        if (this.balance >= this.withdrawal)
        {
            this.balance -= this.withdrawal;
        }
        else
        {
            System.out.println("Debit amount exceeded account balance.");
        }
    }

    void Show_Balance()
    {
        System.out.println(this.name + " balance: " + df.format(this.balance));
    }
}
```

Drive Folder Link: <https://drive.google.com/drive/folders/1K7g-YWCC2vVXkhoY6fHpuHS6N0XsbB26?usp=sharing>

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Sample Input/Output 1

```
Console X
<terminated> AccountRun [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (15 Mar 2022,
Account 1 balance: $150.00
Account 2 balance: $500.53

Enter withdrawal for Account 1: 200

Debit amount exceeded account balance.
Account 1 balance: $150.00
Account 2 balance: $500.53

Enter withdrawal for Account 2: 600

Debit amount exceeded account balance.
Account 1 balance: $150.00
Account 2 balance: $500.53
```

Sample Input/Output 2

```
Console X
<terminated> AccountRun [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe
Account 1 balance: $150.00
Account 2 balance: $500.53

Enter withdrawal for Account 1: 200

Subtracting $200.00 from Account 1's balance
Debit amount exceeded account balance.
Account 1 balance: $150.00
Account 2 balance: $500.53

Enter withdrawal for Account 2: 600

Subtracting $600.00 from Account 2's balance
Debit amount exceeded account balance.
Account 1 balance: $150.00
Account 2 balance: $500.53
```