

## 5.2 - Credit Card Payoff Lab Assignment (10 points)

[Start Assignment](#)

**Due** Sunday by 10pm      **Points** 10      **Submitting** a file upload  
**File Types** doc, docx, pdf, and java

### 5.2.0 - OBJECTIVES

**Modify** an existing program

**Solve** multiple conditions that cause a loop to end

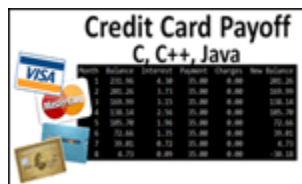
**Rewrite** the provided code to input **balance**, **payment**, and **charges**

### 5.2.1 - CREDIT CARD PAYOFF PROJECT DEFINITION

Modify an existing program to incorporate the following updates:

1. Enter a starting balance, any additional charges, and a payment for each month from the keyboard.  
Use the same value for payment and charges for each month.
2. Use a loop that displays the starting balance for the month, any additional charges, and the payment. The loop is also to compute and display the new balance after the charges have been added and the payment subtracted. If the scheduled payment is greater than the balance for the month plus the charges, change the payment amount to the balance plus charges to prevent the balance from becoming negative.
3. End the loop for any of the following conditions
  - a. twelve months have been displayed and there is still a balance due
  - b. the balance is zero. Display a message "Balance is zero"
  - c. the balance is greater than the credit limit. Display "Balance is greater than the credit limit"

### 5.2.2 - CREDIT CARD PAYOFF PROJECT DISCUSSION



[Video on 3cMedia 17:28 \(cc\) \(https://3cmediasolutions.org/privid/413762?key=6e0d2ca28702a22ec54625f0e36dcb6bb4d5b1b7\)](https://3cmediasolutions.org/privid/413762?key=6e0d2ca28702a22ec54625f0e36dcb6bb4d5b1b7)

[Video on YouTube 17:28 \(cc\) \(https://youtu.be/L7EgFYvyGno\)](https://youtu.be/L7EgFYvyGno)

[PPT/PDF Slides \(https://program-info.net/Java/downloads\)](https://program-info.net/Java/downloads)

[/JavaCreditCard/JavaCreditCardPPT.pdf\)](#)

### 5.2.3 - SAMPLE CODE

You are not required to use my code. Feel free to write the entire program on your own.



**java** [Credit Card Payoff - code](#)

(<https://program-info.net/Java/downloads/JavaCreditCard>

[/JavaCreditCard.java](#)) **.htm** [Hint on stopping the loop at 0.00](#)

(<http://program-info.net/C++/downloads/C++CreditCard/StopTheLoopAtZero.htm>)

### 5.2.4 - LAB ASSIGNMENT AND LAB REPORT



**WP** [Project & Lab Report](#) (<https://program-info.net/Java/downloads/JavaCreditCard/JavaCreditCardLabReport.doc>)

### 5.2.5 - UPLOAD TWO FILES TO CANVAS

The two files that need submitted are:

1. The Credit Card Payoff lab report that has a **doc** or **docx** or **pdf** file extension
2. The Credit Card Payoff code for the program that has a **java** file extension

Detailed instructions on how to upload the files to Canvas are given at the end of the Paycheck project in Module 1. To review those instructions, click [Upload the Lab Report and Code for the Program](https://program-info.net/JavaC++VB/downloads/UploadLabReportAndCode.htm) (<https://program-info.net/JavaC++VB/downloads/UploadLabReportAndCode.htm>)

This opens the instructions in a new browser tab. You can close this tab when done.

#### Credit Card Interest Rubric (1)

Criteria	Ratings			Pts
Name, ID, date, platform. Minus 1 point if missing.	0 pts -1 if missing	0 pts Full Marks		0 pts
Input balance, payment, and charges from the keyboard	2 pts Full Marks	0 pts No Marks		2 pts
Payment should not cause a negative balance	2 pts Full Marks	0 pts No Marks		2 pts
Loop to end if balance is greater than credit limit	2 pts Full Marks	0 pts No Marks		2 pts
Do not display more than 12 months	2 pts Full Marks	0 pts No Marks		2 pts
Discussion, screenshots and program listing	2 pts Full Marks	0.5 pts One or two are missing	0 pts No Marks	2 pts
Late Penalty: 0.5 points/day. 3.0 points max	0 pts No Penalty	0 pts Penalty: -0.5 to -3.0 points		0 pts
Total Points: 10				