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Introduction

The purpose of this assignment is to familiarize you with the writing Ruby scripts that make use of the decision structures and Boolean logic.

Software Sales

A software company sells a package that retails for $99. Quantity discounts are given according to the following table:

Quantity	Discount
10-19	10%
20-49	15%
50-99	20%
100+	25%

Write a program that asks the user to enter the number of packages purchased. The program should then display the amount of the discount (**if any**) and the total amount of purchase after the discount.

Program Input

The program should prompt the user: **"Enter the number of packages purchased: "**

Program Calculation

The program will calculate the amount of purchase, the discount and the total amount.

Program Output

The program will display to the user the amount of purchase, the discount and the total amount. The program should not loop. After the calculation and displaying the output, the program should exit.

Shown below is the expected output produced by the program:

```
Welcome to Daly Software Sales

Thank you for your order of 9 software packages.

Amount of Purchase:     $     891.00
Discount Amount (0%):   $       0.00
                        ----------
Total Amount:           $     891.00
```

```
Welcome to Daly Software Sales

Thank you for your order of 100 software packages.

Amount of Purchase:     $  9900.00
Discount Amount (25%):  $  2475.00
                        ----------
Total Amount:           $  7425.00
```

The program should display the "Welcome to Daly Software Sales" heading followed by a blank line.

The program should next display the Thank you line with the number of software packages followed by a blank line
.
The program should also display the amount of purchase, the discount amount, its percentage and the total amount. There should be a dashed line between the discount and the total amount.

The discount percentage should be display as shown above.

You should verify that each of the ranges produces the correct result (0%, 10%, 15%, 20%, and 25%).

Your output should look like the sample output and **everything should align correctly**.

Program Notes

Students will need to create a file:

ab_Assignment_5B.rb

Where a is the students first letter of their first name and b is the first letter of their last name.

The Ruby file is required to have a programmer header containing the following:

```
#-------------------------------------------------------------------------------
# Assignment:    Assignment 5B
#
# Program Name:  xy_Assignment_5B.rb
#               xy is the first letter of your first and last name
#
# Purpose:       The purpose of this program is
#               Fill in the purpose of this program here.
#
# Author:        Your Name
# Course:        231CIS109.950
#
# Created:       Today's Date in the Month Day, Year (4 digit) format
#
#-------------------------------------------------------------------------------
```

Submit Instructions
- Before submitting, Refer to the Python Programming Coding Standards document on Canvas.
- Correct any spelling or grammar errors.
- Submit file via Canvas's submission tool.