

03.09 Assignment Instructions

Instructions: Write a program to simulate an online purchase by asking the user for input and displaying a receipt.

1. Create a new project called 03.09 Online Purchase in the Mod03 Assignments folder.
2. Create a new class in the newly-created project folder. The class name should reflect its purpose. For instance, if your program will be for purchasing movie tickets, the class name might be BuyMovieTickets.
3. In the program heading, include your full name, the date, and a brief description of the program.
4. Use clear, polite instructions to prompt the use for the following:
 - shopper's first and last name
 - today's date using mm/dd/yyyy format
 - name of item
 - quantity and price of item
 - debit card account number and PIN
 - additional information, such as color or size, as needed.
5. All input needs to be read in as a String and parsed to a numeric value as needed.
6. Calculate the total cost of the purchase. Remember that you can't do math with Strings. The output for this program should resemble the format of a receipt. Use the example shown in the Expected Output as a model, but modify it to suit your own style. Elements required in the output:
 - Show only the first initial of the first name
 - An order number composed of characters from provided input, such as the last name and card number
 - The date in mm-dd-yyyy format
 - Conceal the majority of the debit card number
7. When testing your program, please do not use any real account number or PIN information.
8. Follow the Java style conventions regarding indentation and the use of white space.
9. Document variables and sections of the program with in-line comments.
10. Write a thoughtful Post Mortem Review (PMR).

Expected Output: Your program's output should resemble the following screen shot. Your specific results will vary depending on the choices you made and the input provided.

BlueJ: Terminal Window

Options

Good Evening.

Please enter your first and last name: Earl Gracey

Enter today's date (mm/dd/yyyy): 01/10/2017

What movie would you like to see? The Imitation Game

How many tickets? 4

What is the ticket price? \$6.95

Enter your debit card number (#####-###-####): 90210-007-6789

Enter your PIN (####): 4321

Your e-Receipt

01-10-2017

Order number: ra007

E. Gracey

Account: #####-###-6789

Movie: The Imitation Game

Number of Tickets: 4

Ticket Price: 6.95

\$27.8 will be debited to your account.

Thank you. Enjoy your movie tonight.
