```java
//
// Copyright (c) 2023 Promineo Tech
// Author:  Promineo Tech Academic Team
// Subject:  Variables & Operations Lab
// Java Week 01 Lab
//
package week01;

public class Week01VariablesAndOperationsLab {

    public static void main(String[] args) {

        // 1. Create a variable to hold the quantity of available plane seats left on a flight
         int availablePlaneSeats = 6;


        // 2. Create a variable to hold the cost of groceries at checkout
         double costOfGroceries = 23.64;


        // 3. Create a variable to hold a person's middle initial
         char middleInitial = 'G';


        // 4. Create a variable to hold true if it's hot outside and false if it's cold outside
         boolean isHotOutside = false;


        // 5. Create a variable to hold a customer's first name
         String customerFirstName = "Sally";


        // 6. Create a variable to hold a street address
         String streetAddress = "1234 W East St";


        // 7. Print all variables to the console
         System.out.println( "Available seats left on the plane: " + availablePlaneSeats);
         System.out.println(costOfGroceries + " is the cost of groceries.");
         System.out.println("The person's middle initial is " + middleInitial);
         System.out.println("It is hot ouside = " + isHotOutside);
         System.out.println("The customer's first name is " + customerFirstName);
         System.out.println(streetAddress + " is where the person lives.");



        // 8. A customer booked 2 plane seats, remove 2 seats from the available seats variable
         availablePlaneSeats -= 2;
         System.out.println(availablePlaneSeats);


        // 9. Impulse candy bar purchase, add 2.15 to the grocery totalcostOfGroceries = costOfGroceries + 2.15;
         costOfGroceries += 2.15;
         System.out.println(costOfGroceries);

        // 10.  The birth certificate was printed incorrectly, change the middle initial to
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  something else
57          middleInitial = 'C';
58          System.out.println(middleInitial);
59
60         // 11.  The season has changed, update the hot outside variable to be opposite of what
  it was
61          isHotOutside = !isHotOutside;
62          System.out.println(isHotOutside);
63
64         // 12.  Create a new variable called full name using the customer's first name, the
  middle initial, and a last name of your choice
65          String fullName = customerFirstName + " " + middleInitial + " Smith";
66          System.out.println(fullName);
67
68         // 13.  Print a line to the console that introduces the customer and says they live at
  the address variable
69          System.out.println("Hi my name is " + fullName + " and I live at " + streetAddress +
  ".");
70
71
72
73      }
74 }
```