**Problem**:

Develop a simple program in Java that should calculate the amount of due for a user’s ticket order based upon the user’s selection. It should ask the user how many adult tickets and how many discounted (student/senior) tickets they would like to purchase. It should then give the user a menu of options for discounts to be applied. After the user has made their selection it should display a bill indicating the purchase price, the shipping costs (if any), the discount applied (if any) and the total due.

**Algorithm**:

* Import scanner
* Import DecimalFormat
* Create new Scanner object
* Declare variables and constants
* Greet the user and ask them to press enter to continue
* Ask the user how many adult tickets they would like
* Ask the user how many student/senior tickets they would like
* Ask the user to make a selection from the savings menu
* Create savings menu

**Calculations**:

* Multiply number of adult tickets by adult ticket price and number of student tickets by student ticket price and add those 2 numbers together.
* If User enters 1, apply free shipping
* If user enters 2, multiply subtotal by discount percent and subtract that from the subtotal
* If user enters 3, multiply subtotal by discount percent and subtract that from subtotal. Compare that to the cost of shipping.
  + If shipping is greater than the discount percent, subtract shipping from subtotal
  + If discount is greater than the shipping, subtract the discount percent from subtotal.
  + If user does not enter 1, 2, or 3, tell the user that you will apply free shipping.
* Calculate grand total by subtracting discount from subtotal and adding shipping cost
* Display the user’s subtotal, discount, and grand total in a readable format
* Ask the user if they would like to buy more tickets
  + If yes, repeat previous steps using a do while loop
  + If no, thank the user for using the ticket price calculator