CIS 1111 Expressions Exercise 1 – 10 points

Description: For this assignment, you will develop a program for a tour company of your own creation. Your company should offer at least three different ticket types with tickets for adults and children. Because students work so hard, you must also offer a discounted student ticket.

Requirements:

Your program must do the following:

1. Display ticket prices for adults, children and students.
2. Ask the user how many tickets of each type they need to purchase for their group.
3. Use the getline() function to collect the name of the group leader.
4. For every three people in the tour group, there must be 1 tour guide. Use the ceil() function to round up the number of tour guides if needed.
5. Display an itemized receipt to the user that shows:
    a. Number of ticket type and cost
    b. Subtotal for all tickets
    c. Tax Amount
    d. Final total for tour group (including tax)
6. Program must be documented with:
    a. //Name
    b. //Date
    c. //Program Name
    d. //Program Description

Sample output:

```
Welcome to Very Far Away Vacations!

Ticket Prices:
Adult $12
Child $5
Student $8

How many adult tickets do you need for your group? 6

How many child tickets do you need for your group? 18

How many student tickets do you need for your group? 3

What is the full name of your group leader? Sarah Sinclair

Thank you, Sarah Sinclair. Your group will have 9 tour guides.

Here is your bill:
Adult Tickets:            72.00
Child Tickets:            90.00
Student Tickets:          24.00
Ticket subtotal:         186.00
Tax Amount:               13.95
Final Bill:              199.95
```

Sample Test Data:

Ticket Type	Cost	How Many	Total
Adult	$ 12.00	6	$ 72.00
Child	$ 5.00	18	$ 90.00
Student	$ 8.00	3	$ 24.00
Subtotal:			*$ 186.00*
Tax:			*$ 13.95*
Final Bill:			*$ 199.95*

Submission Requirements:

Upload the following to the drop box:

1. Your .cpp file
2. Screenshot of your output and program code
3. Your test data

Grading rubric for this assignment:

	Low End (did not do or very little effort)	High End (Requirements met with high effort)
Program successfully compiles	0	1
Meets all program requirements	0	5
Properly submitted all required files to the drop box	0	4