

# Sales Tax

**I) Introduction:** For every item you buy whether it's for an errand run at a local Walmart, or drink at a 7-Eleven you have to pay a 7.25% state sale tax. That funds is then used for state infrastructure or funds public projects as well as other public goods.

**II) Instruction:** Write a Python program that asks the user how much their bill cost after a groceries trip then apply the sales tax then output how much they would have to pay in sale tax as well as the total value of all the items including the sale tax.

## **III) Specification:**

1. Since there are only 100 cents in a dollar. Remember to round the value that you have to 2 decimal places.

For example: If you have \$6.24824

Your program should output: \$6.24

### **Method 1:**

To display only 2 decimal places using print format

Ex: `print("Sale tax is: $ {0:.2f}".format(6.24824))`

Output: Sale tax is: \$ 6.25

### **Method 2:**

Or use the **round()** function that takes in 2 arguments, the number you need to round, and the second argument is the decimal place you are rounding to.

Ex: `round(6.24824, 2)`

Output: 6.25

## **IV) Sample Output:**

```
RESTART: C:/Users/ChanchanMallu/Desktop/CS1
Enter the total value of all item: 30
-----
Value of items before tax: 30.0
Tax: $ 2.17
Total after tax: $ 32.17
>>> |
```

```
RESTART: C:/Users/ChanchanMallu/Desktop/CS1
Enter the total value of all item: 80
-----
Value of items before tax: 80.0
Tax: $ 5.80
Total after tax: $ 85.80
>>> |
```

```
Enter the total value of all item: 50.26
```

```
-----
```

```
Value of items before tax: 50.26
```

```
Tax: $ 3.64
```

```
Total after tax: $ 53.90
```

```
>>>
```