Module 2: Critical Thinking

Retail Total

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CSC500 – Principals of Programming

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**Source Code:**

def main():

subtotal = get\_subtotal()

sales\_tax = get\_sales\_tax(subtotal)

total = get\_total(subtotal, sales\_tax)

print("The Subtotal is $" + str(subtotal))

print("The Sales Tax is: $" + str(sales\_tax))

print("The Total price is: $" + str(total))

pass

def get\_subtotal():

subtotal = 0

i = 1

while i <= 5:

text = "What is the price for Item #" + str(i) + "? "

item\_price = ask\_item\_price(text)

subtotal += item\_price

i += 1

return round(subtotal,2)

def get\_sales\_tax(subtotal):

sales\_tax = subtotal \*.07

return round(sales\_tax, 2)

def get\_total(subtotal, sales\_tax):

total = round(subtotal + sales\_tax,2)

return total

def ask\_item\_price(text):

not\_number = True

while not\_number:

res = input(text)

try:

return float(res)

except ValueError:

not\_number = True

print("Please provide a valid price.\n")

if \_\_name\_\_ == '\_\_main\_\_' : main()

**Successful Execution:**

Shape, rectangle

Description automatically generated

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Description automatically generated