Start

Input import math

DECLARE NUMBER

num\_books, price

Input "Please enter the number of CSC 221 books purchased"

, num\_books

Input “Please enter the price of each CSC 221 book purchase”

, price

,

Calculate subtotal as

num\_books \* price

Display subtotal

Input tax

Calculate total as

Subtotal + subtotal\*tax

Display total

Input ceiling= math.ceil(total)

Input floor = math.floor(total)

Display “You bought”, num\_books, “books at $","%.2f"% price, "each.\n Your total with taxes is: $","%.2f"% total, "floor and $","%.2f"% total, "ceiling")

Display id function of num\_books, price, subtotal, tax, total, ceiling, and floor

End