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**Program Description:** This program prompts the user to purchase tickets from a set amount of 20, not being able to buy more than 4 at a time. The prompt loops until there are 0 tickets left, ending by displaying the total number of buyers.

**Functions Used in the Program:**

***#1***

**Function Name:** remainder(tickets,buy)

**Description:** Calculates the remaining number of tickets by subtracting the amount bought according to the user's input.

**Parameters:**

* tickets(integer) - total number of tickets available
* buy(integer) - number of tickets user would like to buy

**Variables:**

* tickets(integer) - total number of tickets available

**Logical Steps:**

1. Subtract tickets by user input number
2. Return new ticket value

**Returns:** tickets(integer) - remaining number of tickets that can be bought

***#2***

**Function Name:** main()

**Description:** Prompts the user to buy tickets until there are none left, displaying how many are left after each purchase. Displays total number of buyers once all tickets are sold.

**Parameters:** None

**Variables:**

* tickets(integer) - total number of tickets available
* buy(integer) - number of tickets user would like to buy
* buyers(integer) - number of times the user has been prompted

**Logical Steps:**

1. Prompt user to input number
2. If input is acceptable, subtract number from remaining tickets
3. Print new value of tickets
4. Loop prompting until number of tickets equals 0, increasing the accumulator with each loop.
5. Print number of times loop occurred, representing the number of buyers

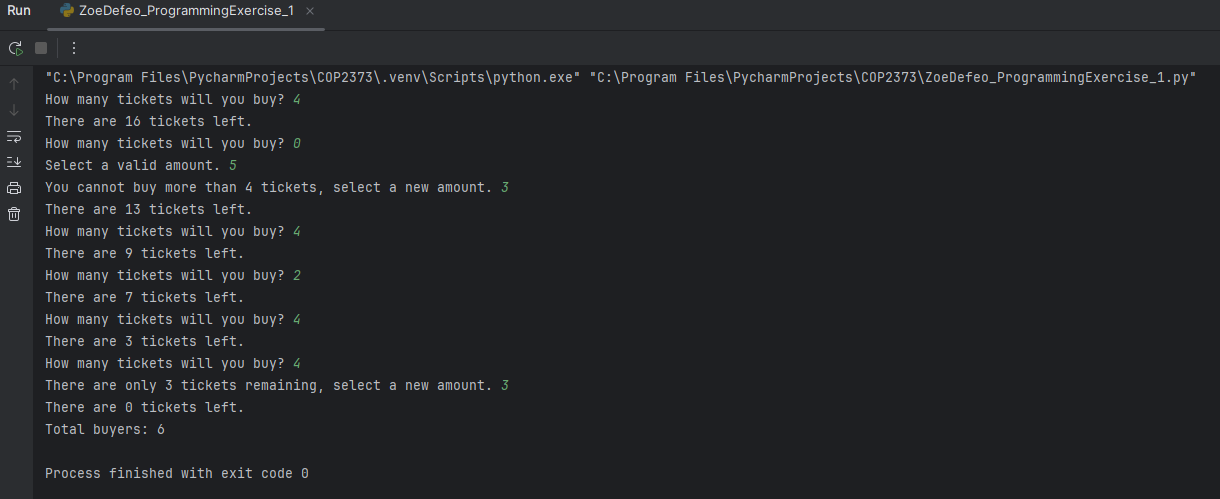
**Returns:** None

**Logical Steps:**

1. Call the main() function
2. The remainder() function is called within the main() function

**Link to Repository:** <https://github.com/Zoe-Defeo/COP2373>

**Output Screenshot:**

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