Step-by-Step Explanation:

1. Define the variable x with an initial value of 1

x = 1: This means x starts at 1

2. The while loop runs as long as x <= 12

The loop continues executing until x becomes greater than 12.

3. Ask the user to input a number in each iteration

input("Enter number: ") displays a message prompting the user to enter a number.

int() converts the input (which is a string) into an integer.

4. Print the new value of x

print("Current value of x:", x) displays the updated value after user input.

5. Increment x by 1 in each iteration

x += 1 ensures x increases by 1 until the loop stops (x > 12).

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