Terms of AP

Problem Description: You are given a number x and you have to print the first x numbers of the AP series 3N+2 which are not multiples of 4 .

How to approach?

1. Take the number x as input from the user.
2. Initialize the count of numbers from 1 and N from 1.
3. Run a loop while count is less than or equal to x.
4. Calculate the number to printed as 3*N+2
5. If number is not divisible by 4 print it and increment the count.

Pseudo Code for this problem:

```
Input=N
count=1, N=1
While count is less than or equal to x:
        num=3*N+2
        If num is not divisible by 4:
                print(num)
                Increment the count by 1
        Increment N by 1
```

- ❏ Let us dry run the code:
  x=4

  - count=1, N=1
    num=3*1+2=5
    5 is not divisible by 4, so print 5 and increment count.

  - count=2, N=2
    num=3*2+2=8
    8 is divisible by 4, so don't print it.

  - count=2, N=3
    num=3*3+2=11

11 is not divisible by 4, so print 11 and increment count.

- count=3, N=4
  num=3*4+2=14
  14 is not divisible by 4, so print 14 and increment count.

- count=4, N=5
  num=3*5+2=17
  17 is not divisible by 4, so print 5 and increment count.

- count=5, move out of the loop and end.
- So final output:
  5 11 14 17