

ITERATION PROBLEMS

Agenda :

- ↳ Problem solving
- ↳ Break, continue & pass (problems)

AP :

Given : Series.

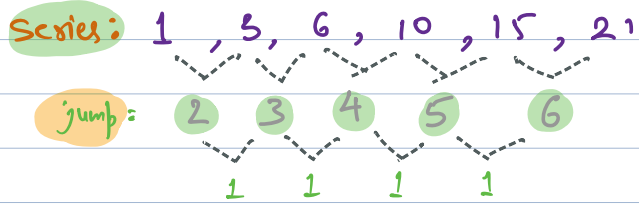
→ if common difference in adjacent numbers is same throughout series then it's known as AP

Quiz :

Series : 1, 3, 5, 7, 11, 13, 15

2 2 2 4 2 2

Problem:



start = 1

jump = 2

while start <= 21:

print(start)

start += jump

jump += 1

* Prime Number:

definition: A number is considered as a prime number if it has exactly two different factors.

$$n \div i = 0$$

⇒ $n = 453$

$n \% 10 = 3$

$n // 10 = 45$

$n = n // 10 \Rightarrow 45$

$n = n // 10 \Rightarrow 4$

$n = n // 10 \Rightarrow 0$

⇒

$count = 0$

$while \quad n \geq 0 :$

$n = n // 10$

$count += 1$

$print(count)$