



1) Logical Statement \rightarrow TRUE
 \downarrow executed

Num = 2

2) TRUE
2

num = 3

(3) TRUE
 3
 num \rightarrow 4

$4 \leq 3$
 False

Q Predict output

```

num = 1
while num <= 3:
    num = num + 1
    print(num)

```

(Note: The original image has a large 'X' over this code block, indicating it is incorrect for the question.)

1) Num = 1

$1 \leq 3 \rightarrow$ True

while Body

num = 2

2 ✓

$2 \leq 3$ | T
W B
 num = 3
3

<
 <=
 >
 >=
 ==
 !=

$3 \leq 3$
 TRUE
 num = 4
4

⇒ → 99
100 112

Ex (2)

Print all even numbers (0-100]
odd (0-100]

```
num = 1
while num >= 1:
    print(num)
    num = num + 1 # num += 1
    if num > 3:
        break
    print("arnav", num)
```

handsome Tone

just 3

4 > 3

num = 4

2 > 1 → True

12

num = 3

3 > 3 → False

Print arnav 3

num = 1
True

1

num = 2

2 > 3 → False

Print arnav 2

1
arnav
2
arnav
3

1) Prime or Not

" - - - - -"

* ——— positive