

23/9/25

1. for loop inside while loop: solving goal slides

Syn:

white condition.

for i in range (start, end)

here white controls outer loop (until the
condition becomes false)

for => loops runs completely for
each round of white loop.

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i = 1

while i <= 5:

for i in range(1, 6, 1):

if (i == 1 or i == 5 or j == 1 or j == 5)

print ("*", end = "")

else:

print (" ", end = "")

print()

i = i + 1

while loop Inside for loops

Syn:

for var in range(start, end)

 while condition

* for loop \Rightarrow runs for fixed no of times

* Inside each for cycle, the while loop
keeps running until the condition becomes
false.

e.g.,
countdown for each round:
for round in range(1, 3):
 print("round", round)
 count = 3
 while count > 0:

print("countdown:", count)
 count = count - 1

O/P:

Round 1
round 1
countdown: 3

countdown: 2
countdown: 1

Round 2
round 2

countdown: 2

countdown: 1