Predict the output of this code. (Feel free to run this program to see if you were right.)

```
value = 0
while value < 10:
  print value,
  value = value + 2
```

How would things change if we swap the last two lines of code?

```
value = 0
while value < 10:
  value = value + 2
  print value,
```

Here's a fun game. What does it do?

```python
import random
total = 0
count = 0
while total < 1000:
    total = total + random.randint(1,100)
    count = count + 1:
print "You took", count, "tries."
```

Let's really put the computer to work. On average, how many tries per game?

- First make a rough guess.

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- First make a rough guess.
- Surround your code with a `for` loop to play the game 1000 times.

Let's really put the computer to work. On average, how many tries per game?

- First make a rough guess.
- Surround your code with a `for` loop to play the game 1000 times.
- Keep a running total of tries.

Let's really put the computer to work. On average, how many tries per game?

- First make a rough guess.
- Surround your code with a `for` loop to play the game 1000 times.
- Keep a running total of tries.
- Print an average at the end.