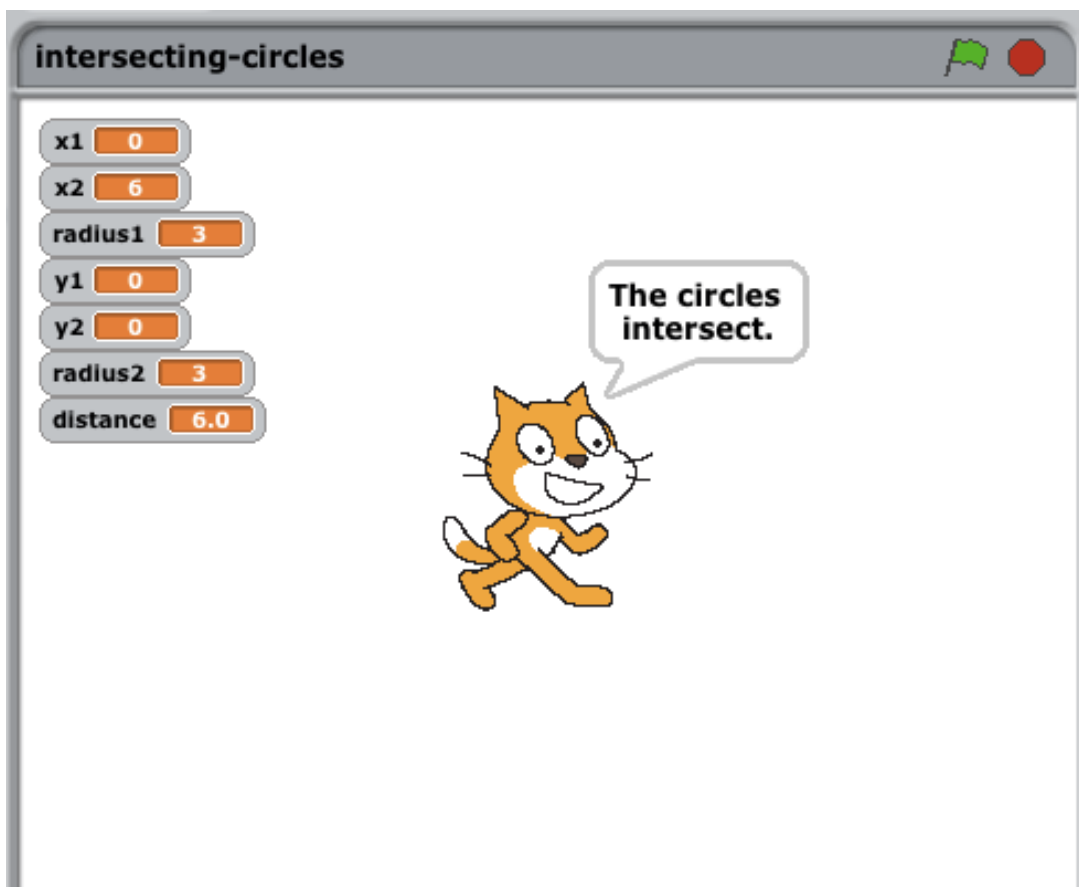


Selected Answers from CSC 115 Assignment #3

2. Do two circles intersect program, based on centers and radii of each circle:

```
when clicked
ask Enter x1: and wait
set x1 to answer
ask Enter y1: and wait
set y1 to answer
ask Enter x2: and wait
set x2 to answer
ask Enter y2: and wait
set y2 to answer
ask Enter radius1: and wait
set radius1 to answer
ask Enter radius2: and wait
set radius2 to answer
set distance to sqrt of (x1 - x2 * x1 - x2 + y1 - y2 * y1 - y2)
if distance > radius1 + radius2
say The circles do not intersect.
else
say The circles intersect.
```

Sample Run:



Continued on next page...

4. Factorial Program:

If 6 is entered for the following, the answer is shown on the right.

```
when clicked
  set product to 1
  ask Enter value: and wait
  set value to answer
  repeat until value = 1
    set product to product * value
    change value by -1
  say product
```

