

Cherry Trees

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Goal

- Use program to draw cherry trees
- Learn Python's turtle drawing
- Learn Recursive function application
- Reference:
 - <https://roasted-heath-a53.notion.site/python-266e2886c066438bb4667ae99ba5b945>
 - <https://docs.python.org/3/library/turtle.html>

Turtle

```
import turtle

t = turtle.Turtle()

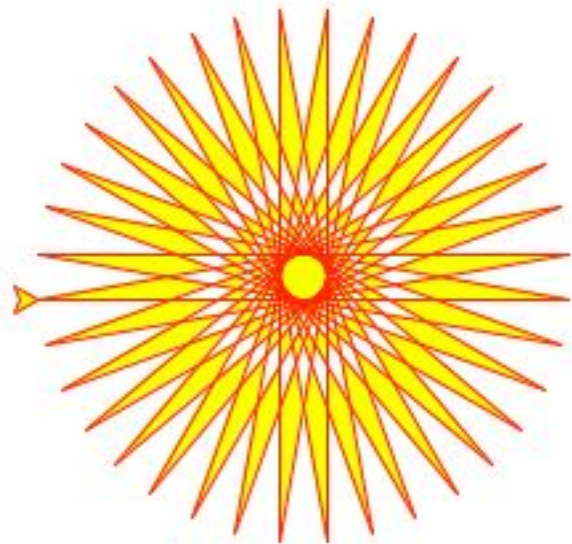
for i in range(4):
    t.right(90)
    t.forward(100)

turtle.done()
```

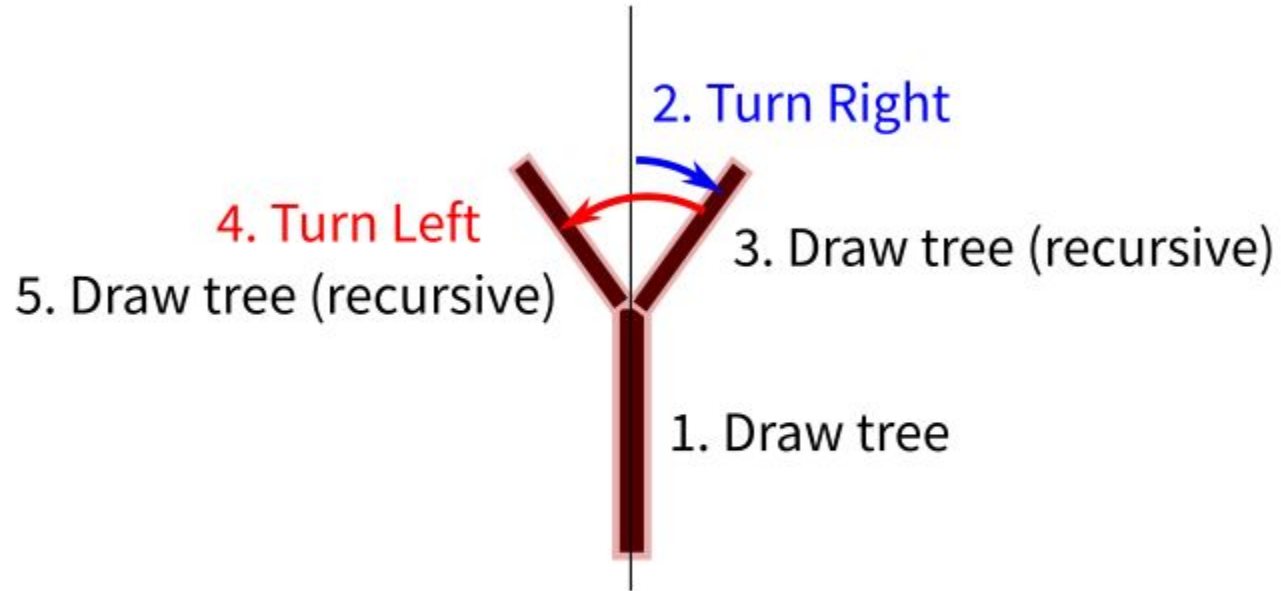
<https://docs.python.org/3/library/turtle.html#module-turtle>

Star

```
from turtle import *  
color('red', 'yellow')  
begin_fill()  
while True:  
    forward(200)  
    left(170)  
    if abs(pos()) < 1:  
        break  
end_fill()  
done()
```

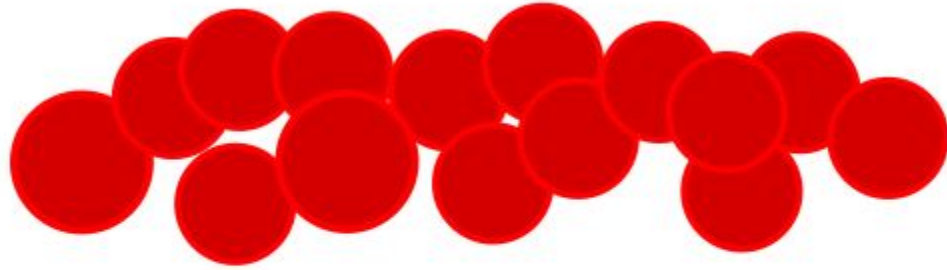


Tree



Stop condition: branch too short

Petals



Random circles in different positions