

```
import random
from turtle import *
screen = Screen()
screen.bgcolour( "black" )
turtle = Turtle()

def pen ( colour ):
    turtle.color( colour )

turtle.color( "red" )

def move ( ):
    turtle.pen up ()
    x = random.randint(-165,165)
    y = random.randint(-165,165)
    turtle.goto( x,y )
    turtle.pen down ()

def firework ( size ):
    for num in range( 20 ):
        turtle.forward ( size )
        turtle.right ( 180-(360/20) )

def create ( width, colour ):
    pen ( colour )
    firework ( width )

create ( 50, "red" )
move ( )
create ( 75, "yellow" )
move ( )
create ( 199, "orange" )
create ( 50, "orange" )
move ( )
create ( 75, "blue" )
```

Extension:

Can you change the colours?

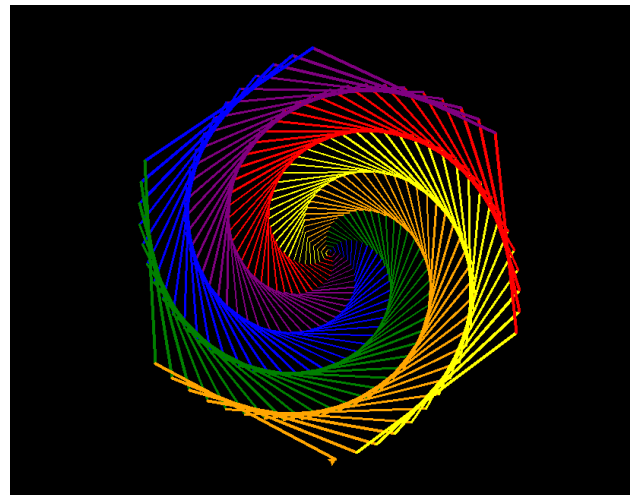
Can you add more fireworks?

Can you make the fireworks spawn in different places?

Can you make a flashing background?

Multi Coloured Spiral

```
from turtle import *
turtle = Turtle()
screen = Screen()
screen.bgcolour( "black" )
colours = ["red", "purple", "blue", "green", "orange", "yellow"]
for x in range( 360 ):
    turtle.color( colours[x%6] )
    turtle.width( x/100+1 )
    turtle.forward ( x )
    turtle.left ( 59 )
```



Basic Spiral

```
from turtle import *
turtle = Turtle()
screen = Screen()
screen.colormode( 255 )
R = 255
G = 0
B = 0
screen.bgcolour( (255, 255, 255) )
for i in range( 2000 ):
    G += 1
    B += 1
    R -= 1
    turtle.color( (R, G, B) )
    turtle.forward ( i )
    turtle.right ( 98 )
```

