

تدريب بايثون للرسم

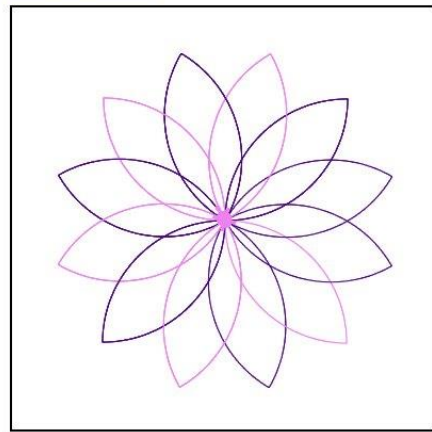
black	k	dimgray	dimgrey
gray	grey	darkgray	darkgrey
silver	lightgray	lightgrey	gainsboro
whitesmoke	w	white	snow
rosybrown	lightcoral	indianred	brown
firebrick	maroon	darkred	r
red	mistyrose	salmon	tomato
darksalmon	coral	orangered	lightsalmon
sienna	seashell	chocolate	saddlebrown
sandybrown	peachpuff	peru	linen
bisque	darkorange	burlywood	antiquewhite
tan	navajowhite	blanchedalmond	papayawhip
moccasin	orange	wheat	oldlace
floralwhite	darkgoldenrod	goldenrod	cornsilk
gold	lemonchiffon	khaki	palegoldenrod
darkkhaki	ivory	beige	lightyellow
lightgoldenrodyellow	olive	y	yellow
olivedrab	yellowgreen	darkolivegreen	greenyellow
chartreuse	lawngreen	honeydew	darkseagreen
palegreen	lightgreen	forestgreen	limegreen
darkgreen	g	green	lime
seagreen	mediumseagreen	springgreen	mintcream
mediumspringgreen	mediumaquamarine	aquamarine	turquoise
lightseagreen	mediumturquoise	azure	lightcyan
paleturquoise	darkslategray	darkslategrey	teal
darkcyan	c	aqua	cyan
darkturquoise	cadetblue	powderblue	lightblue
deepskyblue	skyblue	lightskyblue	steelblue
aliceblue	dodgerblue	lightslategray	lightslategray
slategray	slategrey	lightsteelblue	cornflowerblue
royalblue	ghostwhite	lavender	midnightblue
navy	darkblue	mediumblue	b
blue	slateblue	darkslateblue	mediumslateblue
mediumpurple	rebeccapurple	blueviolet	indigo
darkorchid	darkviolet	mediumorchid	thisle
plum	violet	purple	darkmagenta
m	fuchsia	magenta	orchid
mediumvioletred	deeppink	hotpink	lavenderblush
palevioletred	crimson	pink	lightpink

```

1- for i in range(180):
2-     color("indigo")
3-     forward(1)
4-     left(.5)
5- left(90)
6- for i in range(180):
7-     color("indigo")
8-     forward(1)
9-     left(.5)
10- left(120)
11- for i in range(180):
12-     color("violet")
13-     forward(1)
14-     left(.5)
15- left(90)
16- for i in range(180):
17-     color("violet")
18-     forward(1)
19-     left(.5)
20- left(120)
21- for i in range(180):
22-     color("indigo")
23-     forward(1)
24-     left(.5)
25- left(90)
26- for i in range(180):
27-     color("indigo")
28-     forward(1)
29-     left(.5)

```

RUN CODE STOP



```
# -*- coding: utf-8 -*-
"""
Created on Thu Feb  4 18:21:25 2021

@author: taa4o
"""

# "A black and red triangle"
import turtle
turtle.pen(fillcolor="black", pencolor="red", pensize=10)
turtle.fill(True)
for _ in range(3):
    turtle.forward(100)
    turtle.left(120)
turtle.fill(False)
```

```
from turtle import *
from random import randint
speed(10000)
pensize(2)
for i in range(20):
    col = randint(1, 5)
    if col == 1:
        pencolor("orange")
    elif col == 2:
        pencolor("blue")
    elif col == 3:
        pencolor("green")
    elif col == 4:
        pencolor("purple")
    elif col == 5:
        pencolor("dark blue")
    circle(50)
    left(20)
```

```
# -*- coding: utf-8 -*-
"""
Created on Thu Feb  4 17:42:31 2021

@author: taa4o
"""

import turtle # استيراد مكتبة السلاحف
t = turtle.Pen() # إنشاء كائن سلحفاة
turtle.bgcolor("black") # تعيين لون الخلفية
sides = int(input("تحتاج إلى رسم بعض الجوانب:"))
colors = ["red", "yellow", "green", "blue", "orange", "purple"] # لون الخط

for x in range(360):
    t.pencolor(colors[x%sides])
    t.forward(x*3/sides+x)
    t.left(360/sides+1)
    t.width(x*sides/180)
    t.left(91)
```