

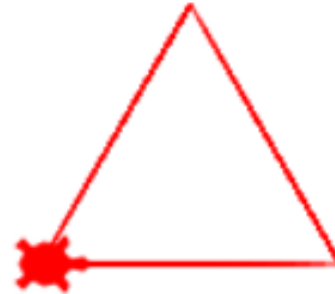
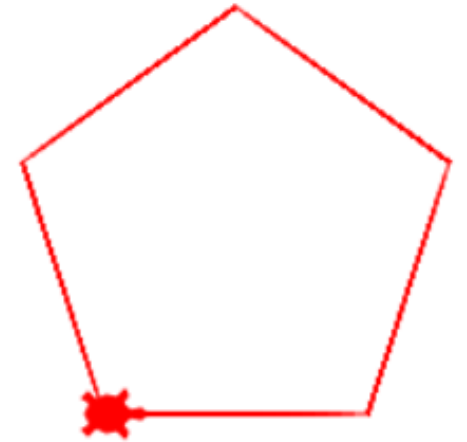
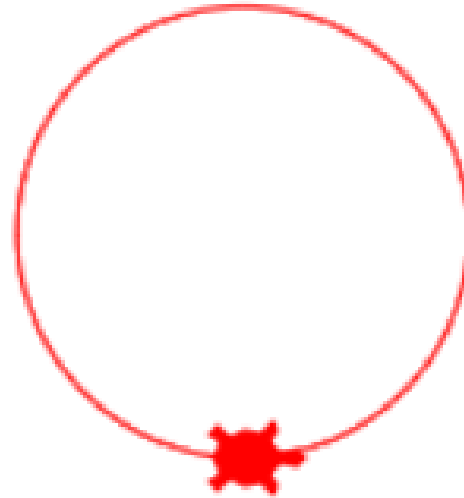
# Softverski alati 2

Zadaci za vežbu, Ljubica Kovačević

# Zadatak 1

```
import turtle
turtle.color("red")
turtle.shape("turtle")

for i in range(360):
    turtle.forward(1)
    turtle.left(360/360)
```



# Zadatak 2

```
import turtle
import math
turtle.color("red")
turtle.shape("turtle")

obim1 = 360

for i in range(90):
    turtle.forward(obim1 / 90)
    turtle.left(360/90)

r1 = 360 / 2 / math.pi
r2 = 2*r1
r3 = 3*r1

turtle.penup()
turtle.right(90)
turtle.forward(r1)
turtle.left(90)
turtle.pendown()
```

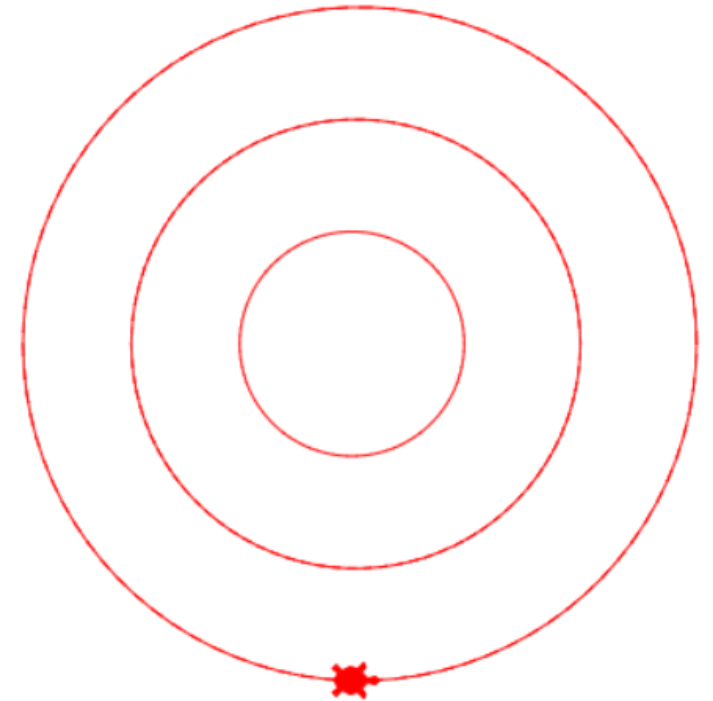
```
obim2 = 2*r2*math.pi

for i in range(90):
    turtle.forward(obim2/90)
    turtle.left(360/90)

turtle.penup()
turtle.right(90)
turtle.forward(r1)
turtle.left(90)
turtle.pendown()

obim3 = 2*r3*math.pi

for i in range(90):
    turtle.forward(obim3/90)
    turtle.left(360/90)
```



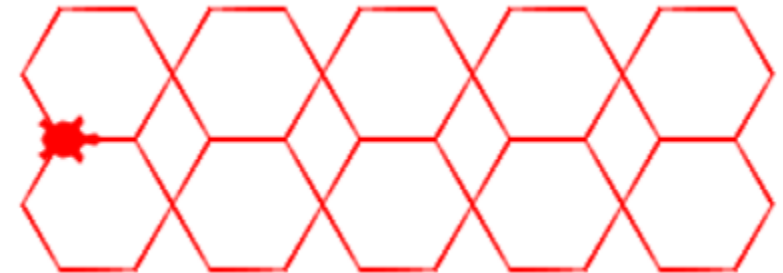
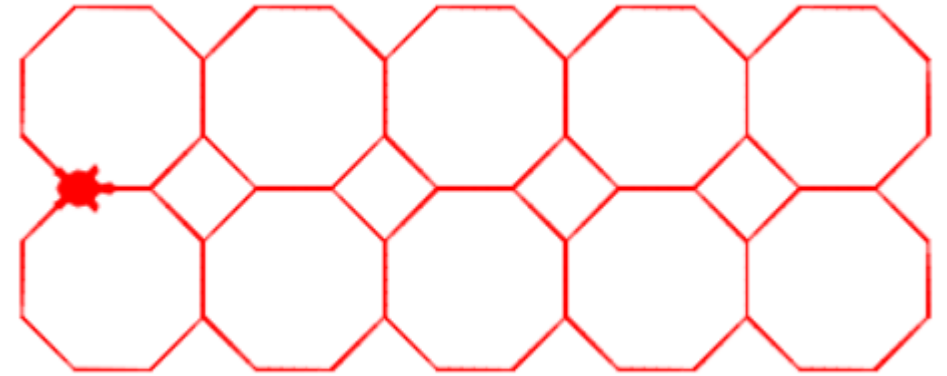
# Zadatak 3

```
import turtle
import math
turtle.color("red")
turtle.shape("turtle")

for p in range(2):
    for j in range(5):
        for i in range(8):
            turtle.forward(30)
            turtle.left(360/8)

        turtle.penup()
        turtle.forward(30)
        turtle.forward(30*math.sqrt(2)/2*2)
        turtle.pendown()

    turtle.right(180)
    turtle.penup()
    turtle.forward(30*math.sqrt(2)/2*2)
    turtle.pendown()
```



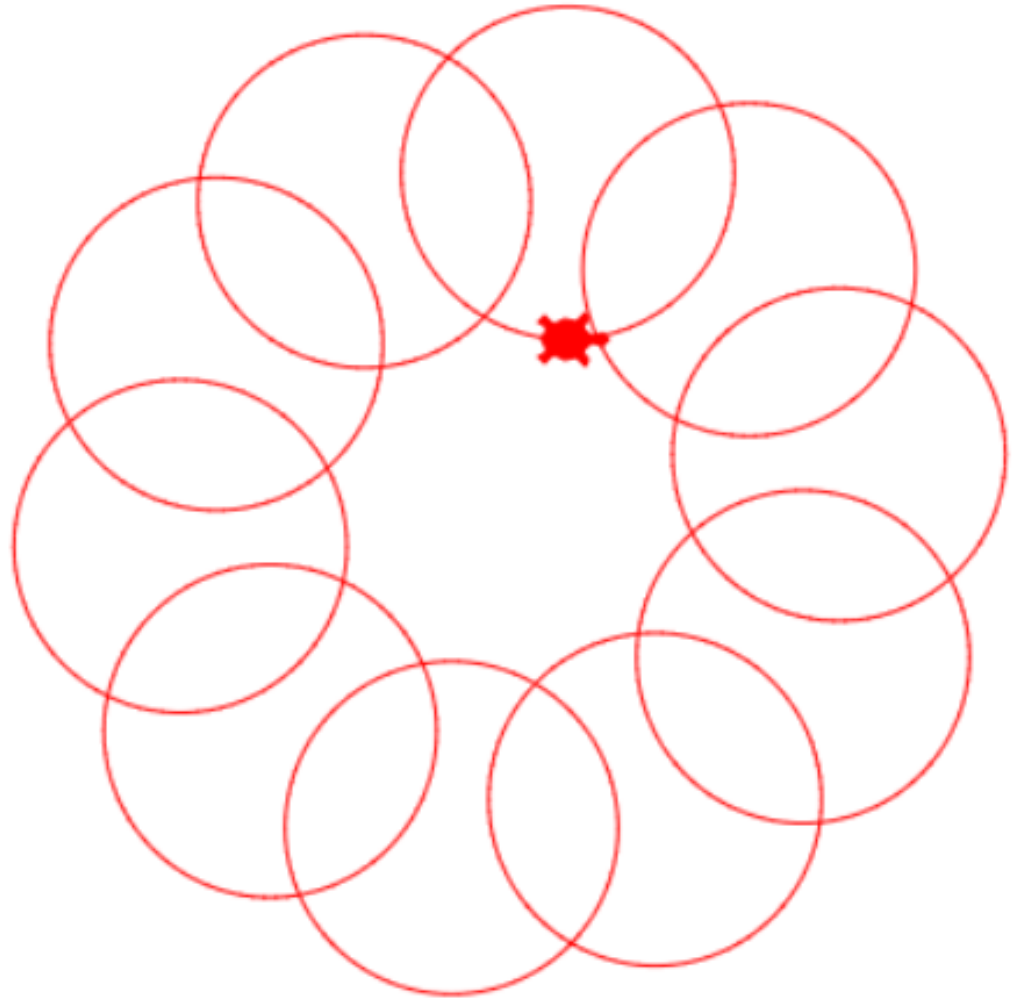
# Zadatak 4

```
import turtle
import math
turtle.color("red")
turtle.shape("turtle")

for j in range(10):
    for i in range(90):
        turtle.forward(4)
        turtle.left(360/90)

    obim = 90*4

    turtle.penup()
    turtle.right(360/10)
    turtle.forward(obim/10)
    turtle.pendown()
```



# Zadatak 5

```
import turtle
turtle.color("red")
turtle.shape("turtle")

for j in range(10):
    for i in range(90):
        turtle.forward(4)
        turtle.left(4)

    turtle.penup()
    turtle.right(36)
    turtle.pendown()
```

