TURTLE PYTHON

```
import  turtle
turtle.forward(160)
turtle.done()
```

```
import  turtle
turtle.backward(160)
turtle.done()
```

```
import  turtle
turtle.forward(160)


turtle.right(90)


turtle.forward(50)
turtle.done()
```

```
import  turtle
turtle.forward(160)
turtle.left(90)
turtle.forward(50)
turtle.done()
```

```
import  turtle
turtle.color("red","green")
```

```
turtle.forward(160)
turtle.done()
```

```
import  turtle
turtle.pencolor("orange")
turtle.pensize(5)
turtle.forward(160)
turtle.done()
```

```
import  turtle
turtle.bgcolor("black")
turtle.pencolor("yellow")
for i in range(0,4):
   turtle.fd(100)
   turtle.lt(90)
turtle.done()
```

Draw a Square

Example code

```
# import turtle library
import turtle
my_pen = turtle.Turtle()
for i in range(4):
  my_pen.forward(50)
  my_pen.right(90)
```

```
turtle.done()
```

Draw a star

Example code

```
# import turtle library
import turtle
my_pen = turtle.Turtle()
for i in range(50):
  my_pen.forward(50)
  my_pen.right(144)
turtle.done()
```

Draw a Hexagon

Example code

```
# import turtle library
import turtle
polygon = turtle.Turtle()
my_num_sides = 6
my_side_length = 70
my_angle = 360.0 / my_num_sides
for i in range(my_num_sides):
  polygon.forward(my_side_length)
  polygon.right(my_angle)
turtle.done()
```

Draw reactangle

Examole Code-

```
    import  turtle
    turtle.bgcolor("black")
```

```
        turtle.pencolor("yellow")
        for i in range(0,2):
            turtle.fd(100)
            turtle.lt(90)
            turtle.fd(50)
            turtle.lt(90)
        turtle.done()
```

DRAW CIRCLE

EXAMOLE CODE-

```
import  turtle
turtle.bgcolor("black")
turtle.pencolor("yellow")
for i in range(0,360,1):
   turtle.forward(1)
   turtle.left(1)
turtle.done()
```

Square within the square

EXAMPLE CODE-

```
import  turtle
turtle.bgcolor("black")
turtle.pencolor("yellow")
turtle.color("yellow","green")
turtle.shape("turtle")
turtle.pensize(2)
j=200
```

```
for i in range(0,17,1):
   turtle.forward(j)
   j=j-10
   turtle.left(90)
turtle.done()
```

Shape 1

DRAW CODE-

```
from turtle import *
import  turtle
color('orange', 'yellow')


turtle.bgcolor("black")
begin_fill()
while True:
   forward(200)
   left(170)
   if abs(pos()) < 1:
      break
end_fill()
done()
```

```
import  turtle
import  time
def myFun():
   colors=["red","blue","green","yellow","orange","brown"]
```

```
    t=turtle
    t.pensize(5)
    t.bgcolor('black')
    t.speed(1000)
    for x in range(360):
        t.pencolor(colors[x%len(colors)])
        t.pensize(x/50)
        t.forward(x)
        t.left(59)
myFun()
time.sleep(5)
```