Coding Club (Python)

```
32  s.pensize(5)
33
34 ▼ def draw_star():
35      s.pendown()
36 ▼    for i in range (5):
37          s.forward(50)
38          s.right(144)
39      s.penup()
40      s.goto(s.xcor()+70,s.ycor())
41      return
42
43  cloudy_night=random.choi
44  print(f"is cloudy? {clou
45 ▼ if (cloudy_night!=True):
46 ▼    for i in range (5):
47          draw_star()
```
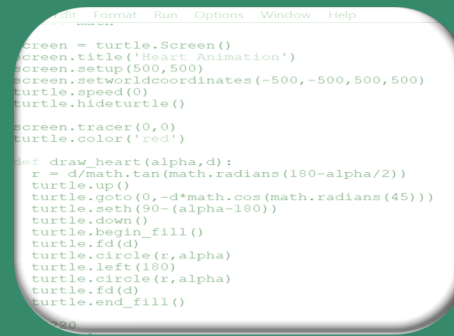
The club is introducing Logical thinking using Python programming language.

During the club the children will learn to create simple programs and graphical interfaces using Python language

For children from year 3 to year 6

Wednesday from 8:00 to 8:45

13-Sep-2023 to 13-Dec-2023

Year5 Spare classroom

```
creen = turtle.Screen()
creen.title('Heart Animation')
creen.setup(500,500)
creen.setworldcoordinates(-500,-500,500,500)
turtle.speed(0)
turtle.hideturtle()

creen.tracer(0,0)
turtle.color('red')

def draw_heart(alpha,d):
    r = d/math.tan(math.radians(180-alpha/2))
    turtle.up()
    turtle.goto(0,-d*math.cos(math.radians(45)))
    turtle.seth(90-(alpha-180))
    turtle.down()
    turtle.begin_fill()
    turtle.fd(d)
    turtle.circle(r,alpha)
    turtle.left(180)
    turtle.circle(r,alpha)
    turtle.fd(d)
    turtle.end_fill()
```

Fee for the term : £130

Please note fees are non-refundable

```
1  import turtle
2  import random
3
4  stamp = turtle.Turtle()
5  stamp.shape('turtle')
6  stamp.penup()
7  turtle.colormode(255)
8  paces=20
9  random_red=50
10 random_green=50
11 random_blue=50
12
13 ▼ for i in range(50):
14     random_red=random.randint(0,255)
15     random_green=random.randint(0,255)
16     random_blue=random.randint(0,255)
17     stamp.color(random_red , random_green , rando
18     stamp.stamp()
19     paces +=3
20     stamp.forward(paces)
21     stamp.right(25)
```

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Select "School Clubs" then "Moss Hall Junior School"