



04:11 PM 1 3 4

```
21 plt.show()
22
23 print("\nprogram 2(45)
24 colorlist = ["red", "orange", "yellow", "green", "blue", "purple"]
25
26 for i in range(0, 91, 15):
27     ballsticksfime(
28         angle=i,
29         magnitude=100,
30         pause=0.01,
31         color=colorlist[int(i / 15) % len(colorlist)],
32     )
33 plt.show()
34
35 # program 3
36 print("\nprogram 3(n")
37 ballsticksfime(
38     angle=((double)(input("angle of elevation (degrees): ")))
39     ,
40     magnitude=((double)(input("magnitude: "))),
41     xaccel=((double)(input("x acceleration: "))),
42 )
43 plt.show()
44
45 # part 3
46 print("\npart 3")
47 area = math.pi * (0.5**2)
48 print(area)
```

Ball-ysticks(Awesome).py 137/47 NORMAL F MAIN <7:10

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Ball-ysticks(Awesome).py
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[saltcal@alpha-compooper:~/Code/School/24-25/Python with Barb]\$ python Ball-ysticks(Awesome).py

program 1
angle of elevation (degrees): 45
magnitude: 100

program 2
angle of elevation (degrees): 45
magnitude: 100
x acceleration: -3

part 3
0.7853981633974483

[saltcal@alpha-compooper:~/Code/School/24-25/Python with Barb]\$