

```
1 from turtle import *
2
3
4 # Doraemon with Python Turtle
5 def doremon(x, y):
6     penup()
7     goto(x, y)
8     pendown()
9
10
11 def aankha():
12     fillcolor("#ffffff")
13     begin_fill()
14
15     tracer(False)
16     a = 2.5
17     for i in range(120):
18         if 0 <= i < 30 or 60 <= i < 90:
19             a -= 0.05
20             lt(3)
21             fd(a)
22         else:
23             a += 0.05
24             lt(3)
25             fd(a)
26     tracer(True)
27     end_fill()
28
29
30 def daari():
31     doremon(-32, 135)
32     seth(165)
33     fd(60)
34
35     doremon(-32, 125)
36     seth(180)
37     fd(60)
38
39     doremon(-32, 115)
40     seth(193)
41     fd(60)
```

```
42
43     doremon(37, 135)
44     seth(15)
45     fd(60)
46
47     doremon(37, 125)
48     seth(0)
49     fd(60)
50
51     doremon(37, 115)
52     seth(-13)
53     fd(60)
54
55
56 def mukh():
57     doremon(5, 148)
58     seth(270)
59     fd(100)
60     seth(0)
61     circle(120, 50)
62     seth(230)
63     circle(-120, 100)
64
65
66 def muflar():
67     fillcolor('#e70010')
68     begin_fill()
69     seth(0)
70     fd(200)
71     circle(-5, 90)
72     fd(10)
73     circle(-5, 90)
74     fd(207)
75     circle(-5, 90)
76     fd(10)
77     circle(-5, 90)
78     end_fill()
79
80
81 def nak():
82     doremon(-10, 158)
```

```
83     seth(315)
84     fillcolor('#e70010')
85     begin_fill()
86     circle(20)
87     end_fill()
88
89
90 def black_aankha():
91     seth(0)
92     doremon(-20, 195)
93     fillcolor('#000000')
94     begin_fill()
95     circle(13)
96     end_fill()
97
98     pensize(6)
99     doremon(20, 205)
100    seth(75)
101    circle(-10, 150)
102    pensize(3)
103
104    doremon(-17, 200)
105    seth(0)
106    fillcolor('#ffffff')
107    begin_fill()
108    circle(5)
109    end_fill()
110    doremon(0, 0)
111
112
113 def face():
114     fd(183)
115     lt(45)
116     fillcolor('#ffffff')
117     begin_fill()
118     circle(120, 100)
119     seth(180)
120     # print(pos())
121     fd(121)
122     pendown()
123     seth(215)
```

```
124     circle(120, 100)
125     end_fill()
126     doremon(63.56, 218.24)
127     seth(90)
128     aankha()
129     seth(180)
130     penup()
131     fd(60)
132     pendown()
133     seth(90)
134     aankha()
135     penup()
136     seth(180)
137     fd(64)
138
139
140 def taauko():
141     penup()
142     circle(150, 40)
143     pendown()
144     fillcolor('#00a0de')
145     begin_fill()
146     circle(150, 280)
147     end_fill()
148
149
150 def Doraemon():
151     taauko()
152
153     muflar()
154
155     face()
156
157     nak()
158
159     mukh()
160
161     daari()
162
163     doremon(0, 0)
164
```

```
165     seth(0)
166     penup()
167     circle(150, 50)
168     pendown()
169     seth(30)
170     fd(40)
171     seth(70)
172     circle(-30, 270)
173
174     fillcolor('#00a0de')
175     begin_fill()
176
177     seth(230)
178     fd(80)
179     seth(90)
180     circle(1000, 1)
181     seth(-89)
182     circle(-1000, 10)
183
184     # print(pos())
185
186     seth(180)
187     fd(70)
188     seth(90)
189     circle(30, 180)
190     seth(180)
191     fd(70)
192
193     # print(pos())
194     seth(100)
195     circle(-1000, 9)
196
197     seth(-86)
198     circle(1000, 2)
199     seth(230)
200     fd(40)
201
202     # print(pos())
203
204     circle(-30, 230)
205     seth(45)
```

```
206     fd(81)
207     seth(0)
208     fd(203)
209     circle(5, 90)
210     fd(10)
211     circle(5, 90)
212     fd(7)
213     seth(40)
214     circle(150, 10)
215     seth(30)
216     fd(40)
217     end_fill()
218
219     seth(70)
220     fillcolor('#ffffff')
221     begin_fill()
222     circle(-30)
223     end_fill()
224
225     doremon(103.74, -182.59)
226     seth(0)
227     fillcolor('#ffffff')
228     begin_fill()
229     fd(15)
230     circle(-15, 180)
231     fd(90)
232     circle(-15, 180)
233     fd(10)
234     end_fill()
235
236     doremon(-96.26, -182.59)
237     seth(180)
238     fillcolor('#ffffff')
239     begin_fill()
240     fd(15)
241     circle(15, 180)
242     fd(90)
243     circle(15, 180)
244     fd(10)
245     end_fill()
246
```

```
247     doremon(-133.97, -91.81)
248     seth(50)
249     fillcolor('#ffffff')
250     begin_fill()
251     circle(30)
252     end_fill()
253     # Doraemon with Python Turtle
254
255     doremon(-103.42, 15.09)
256     seth(0)
257     fd(38)
258     seth(230)
259     begin_fill()
260     circle(90, 260)
261     end_fill()
262
263     doremon(5, -40)
264     seth(0)
265     fd(70)
266     seth(-90)
267     circle(-70, 180)
268     seth(0)
269     fd(70)
270
271     doremon(-103.42, 15.09)
272     fd(90)
273     seth(70)
274     fillcolor('#ffd200')
275     # print(pos())
276     begin_fill()
277     circle(-20)
278     end_fill()
279     seth(170)
280     fillcolor('#ffd200')
281     begin_fill()
282     circle(-2, 180)
283     seth(10)
284     circle(-100, 22)
285     circle(-2, 180)
286     seth(180 - 10)
287     circle(100, 22)
```

```
288     end_fill()
289     goto(-13.42, 15.09)
290     seth(250)
291     circle(20, 110)
292     seth(90)
293     fd(15)
294     dot(10)
295     doremon(0, -150)
296
297     black_aankha()
298
299
300 if __name__ == '__main__':
301     screensize(800, 600, "#f0f0f0")
302     pensize(3)
303     speed(9)
304     Doraemon()
305     doremon(100, -300)
306     mainloop()
307
```