# ABEL YOHANNES

# SECTION 2

# UGR/ 8254 / 12

import turtle

import time

import os.path

lift = turtle.Screen()

lift.title("clock")

lift.tracer(0)

lift.bgpic(os.path.expanduser('C:\\Users\\Abel\\Desktop\\gif\\naruto.gif'))

# please do use this image from your path it is worth the drag :)

q = turtle.Turtle()

q.speed(10)

def clock():

q.color('white')

q.home()

q.penup()

q.goto(-300, -160)

q.pendown()

q.right(90)

for zigzag in range(24):

q.forward(50)

q.left(35)

q.forward(50)

q.right(20)

q.penup()

q.goto(50, -110)

q.home()

q.goto(60, -400)

q.pendown()

q.circle(300)

q.penup()

q.goto(50, -110)

q.pendown()

q.left(90)

for hour\_noin range(12):

q.right(360 / 12)

q.penup()

q.pensize(10)

q.forward(330)

q.color('white')

q.write((hour\_no + 1), font=("arial", 25, "italic"))

q.goto(50, -110)

q.penup()

for minute\_pointsin range(60):

q.right(360 / 60)

q.forward(320)

q.color('yellow')

q.pensize(3)

q.write('.', font=("arial", 20, "bold"))

q.goto(50, -110)

q.penup()

q.goto(-30,-280)

q.color('black')

q.write("Rolex...not really", font= ("times new roman", 25 , "italic bold"))

q.penup()

q.goto(50, -110)

def outer(h, m, s):

each\_hand = [("yellow", 12, 125), ("green", 60, 250), ("white", 60, 270)]

# hours, minutes and seconds respectively in the function and the each\_hand inference

all\_hashes = (h, m, s)

for line\_hashin each\_hand:

each\_time\_difference = all\_hashes[each\_hand.index(line\_hash)]

angle = (each\_time\_difference / line\_hash[1]) \* 360

q.penup()

q.goto(50, -110)

q.color(line\_hash[0])

q.setheading(90)

q.right(angle)

q.pendown()

q.pensize(7)

q.forward(line\_hash[2])

for iin range (6):

q.color('indigo')

q.right(90)

q.forward(10)

q.backward(20)

q.left(45)

q.forward(10)

q.penup()

q.goto(50, -110)

q.penup()

q.goto(50, -110)

q.right(180)

while True:

q.shape("turtle")

h = int(time.strftime("%I"))

m = int(time.strftime("%M"))

s = int(time.strftime("%S"))

clock()

outer(h, m, s)

lift.update()

time.sleep(0.9)

q.undo()

q.clear()

lift.mainloop()