No.1

number = int(input("Enter number: "))

guess = number / 2

count = 0

while(count!= 5):

    temp = number / guess

    guess = (guess + temp) / 2

    count += 1

print(format(guess, ".3f"))

guess = number / 3

count = 0

while(count!= 6):

    temp = number / guess

    guess = (guess + temp) / 2

    count += 1

print(format(guess, ".3f"))

guess = number / 5

count = 0

while(count!= 7):

    temp = number / guess

    guess = (guess + temp) / 2

    count += 1

print(format(guess, ".3f"))

Output

Graphical user interface, text

Description automatically generated

No . 2

import turtle as t

win\_width, win\_height, bg\_color = 2000, 2000, 'white'

t.setup()

t.screensize(win\_width, win\_height, bg\_color)

t.speed(0)

arr = ["Su","Mo","Tu","We","Th","Fr","Sa"]

def month(month\_no, startDay, numberOfDays, a = 6, b = 7 ):

    #tile

    for \_ in range(2):

        t.fd(280)

        t.right(90)

        t.fd(20)

        t.right(90)

    t.right(90)

    t.fd(20)

    t.left(90)

    t.write(f"  Month#{month\_no}", align="left")

    #Heading

    for cols in range(len(arr)):

        for i in range(2):

            t.fd(40)

            t.right(90)

            t.fd(20)

            t.right(90)

        #table contents

        t.penup()

        t.right(45)

        t.fd(25)

        t.left(45)

        t.pendown()

        t.write(arr[cols])

        t.penup()

        t.right(45)

        t.fd(-25)

        t.left(45)

        t.pendown()

        # end

        t.fd(40)

    t.fd(-280)

    t.penup()

    t.right(90)

    t.fd(20)

    t.left(90)

    t.pendown()

    c = 0

    day = 0

    for \_ in range(a):

        for cols in range(b):

            for i in range(2):

                t.fd(40)

                t.right(90)

                t.fd(20)

                t.right(90)

            c+=1

            if c >= startDay and c<=numberOfDays:

                day+=1

                t.penup()

                t.right(45)

                t.fd(25)

                t.left(45)

                t.pendown()

                t.write(day)

                t.penup()

                t.right(45)

                t.fd(-25)

                t.left(45)

                t.pendown()

            t.fd(40)

        t.fd(-280)

        t.penup()

        t.right(90)

        t.fd(20)

        t.left(90)

        t.pendown()

def draw\_month(x, y):

    t.penup()

    t.goto(x, y)

    t.pendown()

def main():

    draw\_month(-750,370)

    #1

    draw\_month(-750,350)

    month(1,7,37)

    #2

    draw\_month(-750,90)

    month(2,3,30, a = 5, b = 7 )

    #3

    draw\_month(-750,-170)

    month(3,3,33, a = 5, b = 7 )

    #4#

    draw\_month(-400,350)

    month(4,6,35, a = 5, b = 7 )

    #5

    draw\_month(-400,90)

    month(5,1,31, a = 5, b = 7 )

    #6

    draw\_month(-400,-170)

    month(6,4,33, a = 5, b = 7 )

    #7

    draw\_month(-50,350)

    month(7,6,36)

    #8

    draw\_month(-50,90)

    month(8,2,32, a = 5, b = 7 )

    #9

    draw\_month(-50,-170)

    month(9,5,34, a = 5, b = 7 )

    #10#

    draw\_month(300,350)

    month(10,7,37)

    #11

    draw\_month(300,90)

    month(11,3,32, a = 5, b = 7 )

    #12

    draw\_month(300,-170)

    month(12,5,35, a = 5, b = 7 )

    t.done()

main()

Diagram

Description automatically generated with low confidence

No. 3

number = int(input("Enter the number of lines: "))

a = number

while(number != 1):

    if (number == a):

        print("\*")

    for i in range(1, number-1):

        for j in range(i, -1, -1):

            print("\*", end = "")

        print("")

    for i in range(number, 0, -1):

        while(i != 0):

            print("\*", end = "")

            if (i == 1):

                break

            i -= 1

        print("")

    number -= 1

print("\*")

A screenshot of a computer

Description automatically generated with medium confidence