Question 1:

a)

Graphical user interface, diagram, application

Description automatically generated

b)

1.Initialize sum ,count variables to zero

2.Prompt the user to enter a salary

3.while salary entered is non-negative do

Add salary entered to sum

Increment count by 1

Prompt the user to enter another salary

if count is greater than zero then

Calculate average salary as sum divided by count

Display average salary

Else Display "No salaries entered"

c)

Text

Description automatically generated

Question 2:

import turtle

# Create a turtle to control

t = turtle.Turtle()

# Set up the turtle screen to flip 90 degrees

turtle.screensize(600, 600)

turtle.setworldcoordinates(600, 0, 0, 600)

# Set starting position

x, y = 200, 200

# Define colors for squares

colors = ["blue", "red", "yellow", "green"]

# Draw largest square (blue)

t.penup()

t.goto(60, 300)

t.pendown()

t.color(colors[0])

t.begin\_fill()

for i in range(4):

    t.forward(200)

    t.right(90)

t.end\_fill()

# Draw second largest square (red)

x -= 50

y -= 50

t.penup()

t.goto(110, 250)

t.pendown()

t.color(colors[1])

t.begin\_fill()

for i in range(4):

    t.forward(150)

    t.right(90)

t.end\_fill()

# Draw third largest square (yellow)

x -= 50

y -= 50

t.penup()

Question 2:

t.goto(180, 190)

t.pendown()

t.color(colors[2])

t.begin\_fill()

for i in range(4):

    t.forward(100)

    t.right(90)

t.end\_fill()

# Draw smallest square (green)

x -= 20

y -= 60

t.penup()

t.goto(250, 120)

t.pendown()

t.color(colors[3])

t.begin\_fill()

for i in range(4):

    t.forward(40)

    t.right(90)

t.end\_fill()

# Hide turtle after drawing is complete

t.hideturtle()

# Keep the turtle window open until it is clicked

turtle.done()

Question 2:

Chart

Description automatically generated

Question 3:

a)

## ask user for enter the file name

file\_name=input('Enter the file\'s name: ')

## ask user for enter the values of array

value=[ int (x) for x in input('Enter the values: ')]

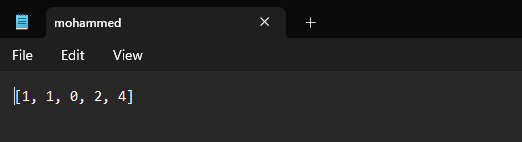
with open (file\_name, 'w') as f:

    f.write(str(value))

A screenshot of a computer

Description automatically generated with medium confidence





Question 3:

b)

file\_name=input('Enter the file\'s name: ')

with open (file\_name, 'r') as f:

    content=f.read()

print(content)

Graphical user interface, text, application, chat or text message

Description automatically generated

Question 3:

c)

## ask user for enter the file name

file\_name=input('Enter the file\'s name: ')

## ask user for enter the values of array

value=[ int (x) for x in input('Enter the values: ')]

print()

## add list to the file

with open (file\_name, 'w') as f:

    f.write(str(value))

## ask user for enter the file what's he want

file=input('Search: ')

## read the file

with open (file\_name, 'r') as f:

    content=f.read()

## print the content of the file

print('File content:\n', content)

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application

Description automatically generated