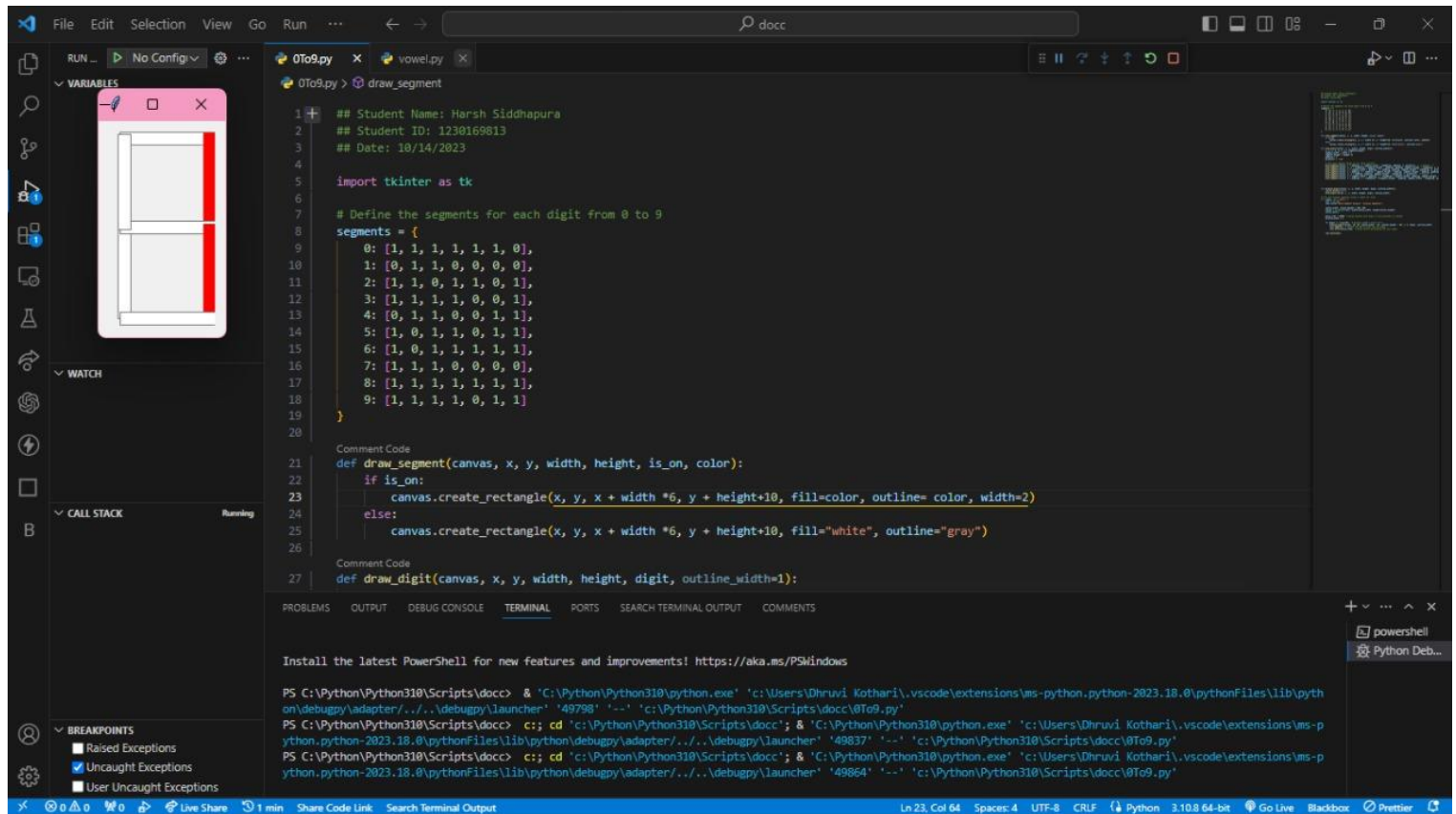


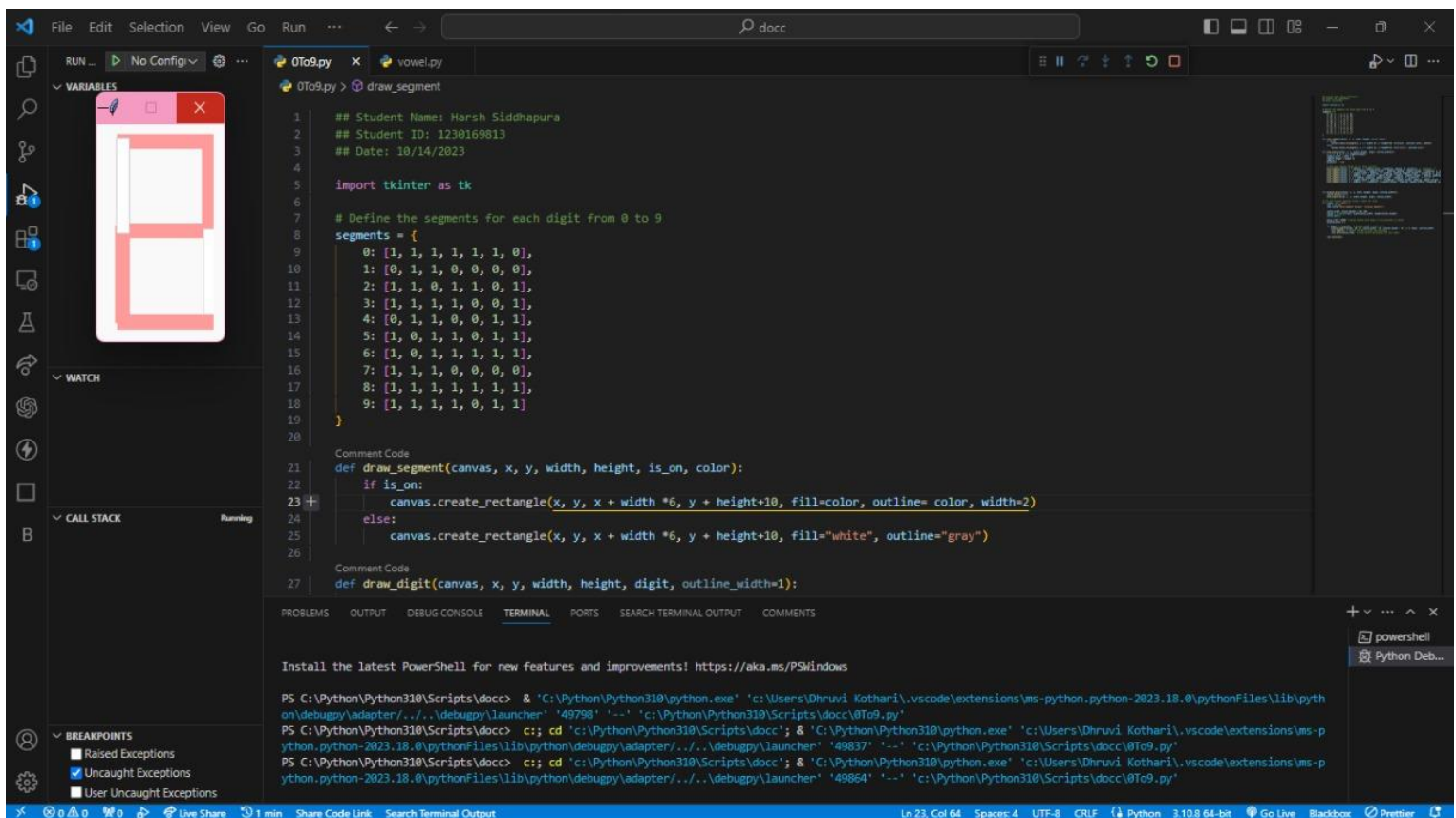
0 to 9 - 7 Segment Display



```
1  ## Student Name: Harsh Siddhapura
2  ## Student ID: 1230169813
3  ## Date: 10/14/2023
4
5  import tkinter as tk
6
7  # Define the segments for each digit from 0 to 9
8  segments = {
9      0: [1, 1, 1, 1, 1, 1, 0],
10     1: [0, 1, 1, 0, 0, 0, 0],
11     2: [1, 1, 0, 1, 1, 0, 1],
12     3: [1, 1, 1, 1, 0, 0, 1],
13     4: [0, 1, 1, 0, 0, 1, 1],
14     5: [1, 0, 1, 1, 0, 1, 1],
15     6: [1, 0, 1, 1, 1, 1, 1],
16     7: [1, 1, 1, 0, 0, 0, 0],
17     8: [1, 1, 1, 1, 1, 1, 1],
18     9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

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```
PS C:\Python\Python310\Scripts> docc & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49864' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
```



```
1  ## Student Name: Harsh Siddhapura
2  ## Student ID: 1230169813
3  ## Date: 10/14/2023
4
5  import tkinter as tk
6
7  # Define the segments for each digit from 0 to 9
8  segments = {
9      0: [1, 1, 1, 1, 1, 1, 0],
10     1: [0, 1, 1, 0, 0, 0, 0],
11     2: [1, 1, 0, 1, 1, 0, 1],
12     3: [1, 1, 1, 1, 0, 0, 1],
13     4: [0, 1, 1, 0, 0, 1, 1],
14     5: [1, 0, 1, 1, 0, 1, 1],
15     6: [1, 0, 1, 1, 1, 1, 1],
16     7: [1, 1, 1, 0, 0, 0, 0],
17     8: [1, 1, 1, 1, 1, 1, 1],
18     9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

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```
PS C:\Python\Python310\Scripts> docc & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49864' '--' 'c:\Python\Python310\Scripts\docc\0To9.py'
```

VS Code interface showing a Python script named `0To9.py` in the editor. The script defines a function `draw_digit` to draw digits 0-9 using Tkinter. The terminal shows the command to run the script, and the output displays the digit '4' in a window.

```
1  ## Student Name: Harsh Siddhapura
2  ## Student ID: 1230169813
3  ## Date: 10/14/2023
4
5  import tkinter as tk
6
7  # Define the segments for each digit from 0 to 9
8  segments = {
9      0: [1, 1, 1, 1, 1, 1, 0],
10     1: [0, 1, 1, 0, 0, 0, 0],
11     2: [1, 1, 0, 1, 1, 0, 1],
12     3: [1, 1, 1, 1, 0, 0, 1],
13     4: [0, 1, 1, 0, 0, 1, 1],
14     5: [1, 0, 1, 1, 0, 1, 1],
15     6: [1, 0, 1, 1, 1, 1, 1],
16     7: [1, 1, 1, 0, 0, 0, 0],
17     8: [1, 1, 1, 1, 1, 1, 1],
18     9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

Windows PowerShell
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PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

VS Code interface showing the same Python script `0To9.py` in the editor. The terminal shows the command to run the script, and the output displays the digit '4' in a window.

```
1  ## Student Name: Harsh Siddhapura
2  ## Student ID: 1230169813
3  ## Date: 10/14/2023
4
5  import tkinter as tk
6
7  # Define the segments for each digit from 0 to 9
8  segments = {
9      0: [1, 1, 1, 1, 1, 1, 0],
10     1: [0, 1, 1, 0, 0, 0, 0],
11     2: [1, 1, 0, 1, 1, 0, 1],
12     3: [1, 1, 1, 1, 0, 0, 1],
13     4: [0, 1, 1, 0, 0, 1, 1],
14     5: [1, 0, 1, 1, 0, 1, 1],
15     6: [1, 0, 1, 1, 1, 1, 1],
16     7: [1, 1, 1, 0, 0, 0, 0],
17     8: [1, 1, 1, 1, 1, 1, 1],
18     9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

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PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> cd 'c:\Python\Python310\Scripts\docc' & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> cd 'c:\Python\Python310\Scripts\docc' & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49864' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> cd 'c:\Python\Python310\Scripts\docc' & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49899' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

VS Code interface showing a Python script named `0To9.py` with a Tkinter window displaying a red digit '5'. The script defines segments for digits 0-9 and a `draw_segment` function. The terminal shows PowerShell commands for running the script.

```
1 ## Student Name: Harsh Siddhapura
2 ## Student ID: 1230169813
3 ## Date: 10/14/2023
4
5 import tkinter as tk
6
7 # Define the segments for each digit from 0 to 9
8 segments = {
9     0: [1, 1, 1, 1, 1, 1, 0],
10    1: [0, 1, 1, 0, 0, 0, 0],
11    2: [1, 1, 0, 1, 1, 0, 1],
12    3: [1, 1, 1, 1, 0, 0, 1],
13    4: [0, 1, 1, 0, 0, 1, 1],
14    5: [1, 0, 1, 1, 0, 1, 1],
15    6: [1, 0, 1, 1, 1, 1, 1],
16    7: [1, 1, 1, 0, 0, 0, 0],
17    8: [1, 1, 1, 1, 1, 1, 1],
18    9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

Windows PowerShell
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PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

VS Code interface showing the same Python script, but the Tkinter window now displays a red digit '6'. The terminal shows PowerShell commands for running the script.

```
1 ## Student Name: Harsh Siddhapura
2 ## Student ID: 1230169813
3 ## Date: 10/14/2023
4
5 import tkinter as tk
6
7 # Define the segments for each digit from 0 to 9
8 segments = {
9     0: [1, 1, 1, 1, 1, 1, 0],
10    1: [0, 1, 1, 0, 0, 0, 0],
11    2: [1, 1, 0, 1, 1, 0, 1],
12    3: [1, 1, 1, 1, 0, 0, 1],
13    4: [0, 1, 1, 0, 0, 1, 1],
14    5: [1, 0, 1, 1, 0, 1, 1],
15    6: [1, 0, 1, 1, 1, 1, 1],
16    7: [1, 1, 1, 0, 0, 0, 0],
17    8: [1, 1, 1, 1, 1, 1, 1],
18    9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

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PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

PS C:\Python\Python310\Scripts\docc> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49864' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'

VS Code interface showing a Python script for digit recognition. The script defines segments for digits 0-9 and a function to draw segments on a canvas. The terminal shows PowerShell commands for running the script.

```
1 ## Student Name: Harsh Siddhapura
2 ## Student ID: 1230169813
3 ## Date: 10/14/2023
4
5 import tkinter as tk
6
7 # Define the segments for each digit from 0 to 9
8 segments = {
9     0: [1, 1, 1, 1, 1, 1, 0],
10    1: [0, 1, 1, 0, 0, 0, 0],
11    2: [1, 1, 0, 1, 1, 0, 1],
12    3: [1, 1, 1, 1, 0, 0, 1],
13    4: [0, 1, 1, 0, 0, 1, 1],
14    5: [1, 0, 1, 1, 0, 1, 1],
15    6: [1, 0, 1, 1, 1, 1, 1],
16    7: [1, 1, 1, 0, 0, 0, 0],
17    8: [1, 1, 1, 1, 1, 1, 1],
18    9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

Terminal Output:

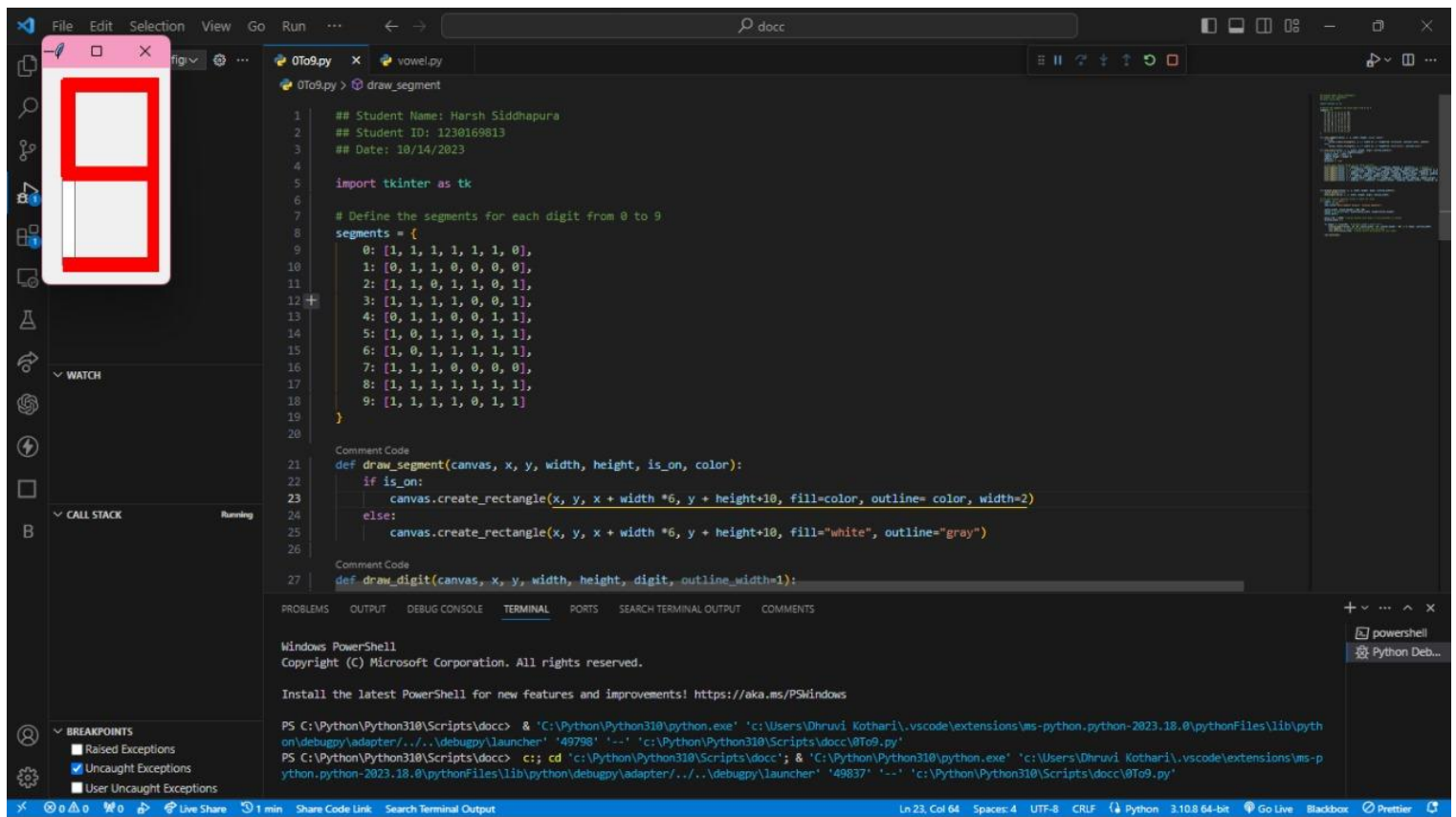
```
PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'
```

VS Code interface showing the same Python script. The terminal shows PowerShell commands for running the script. The output shows the digit '8' being drawn on the canvas.

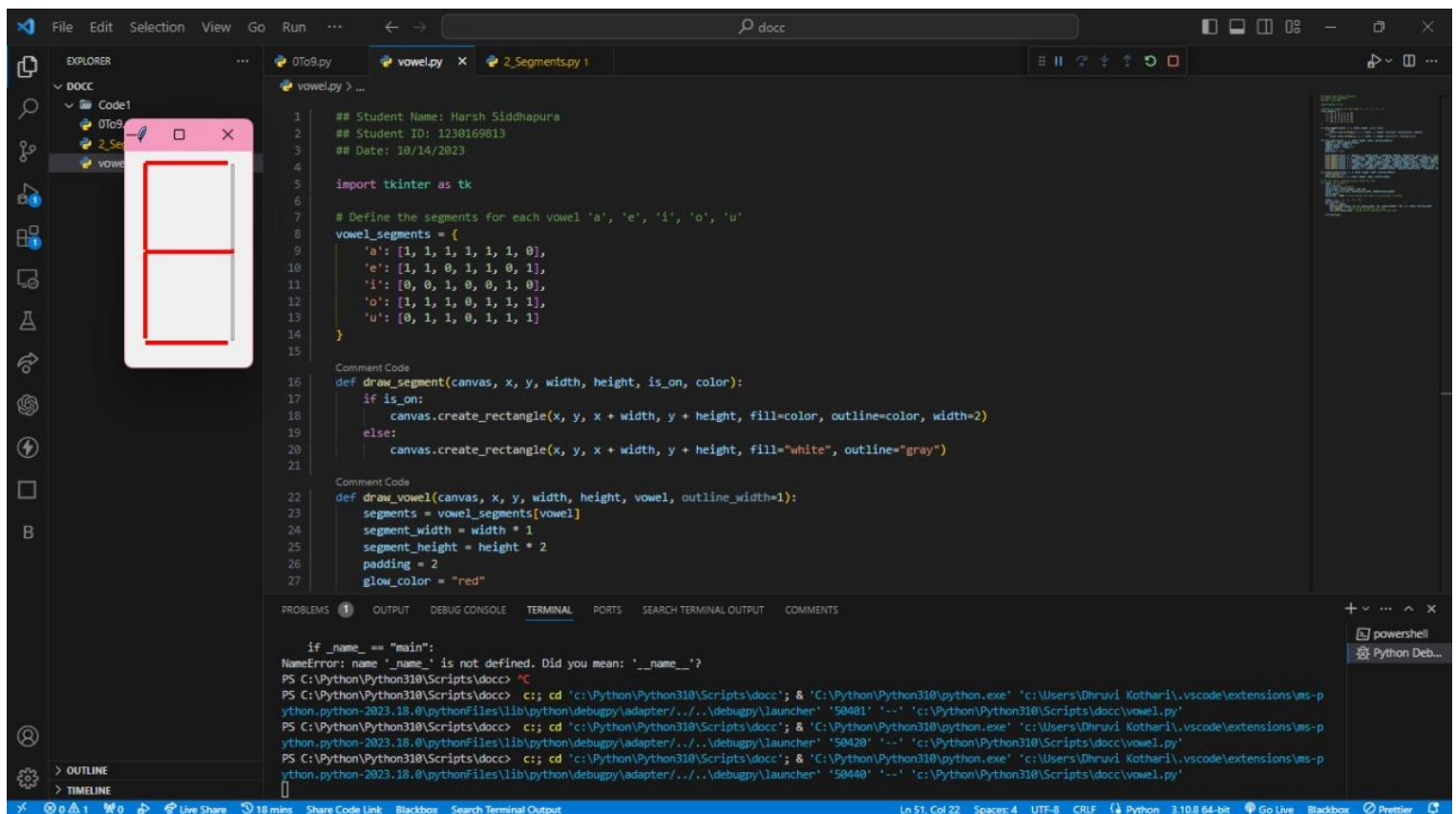
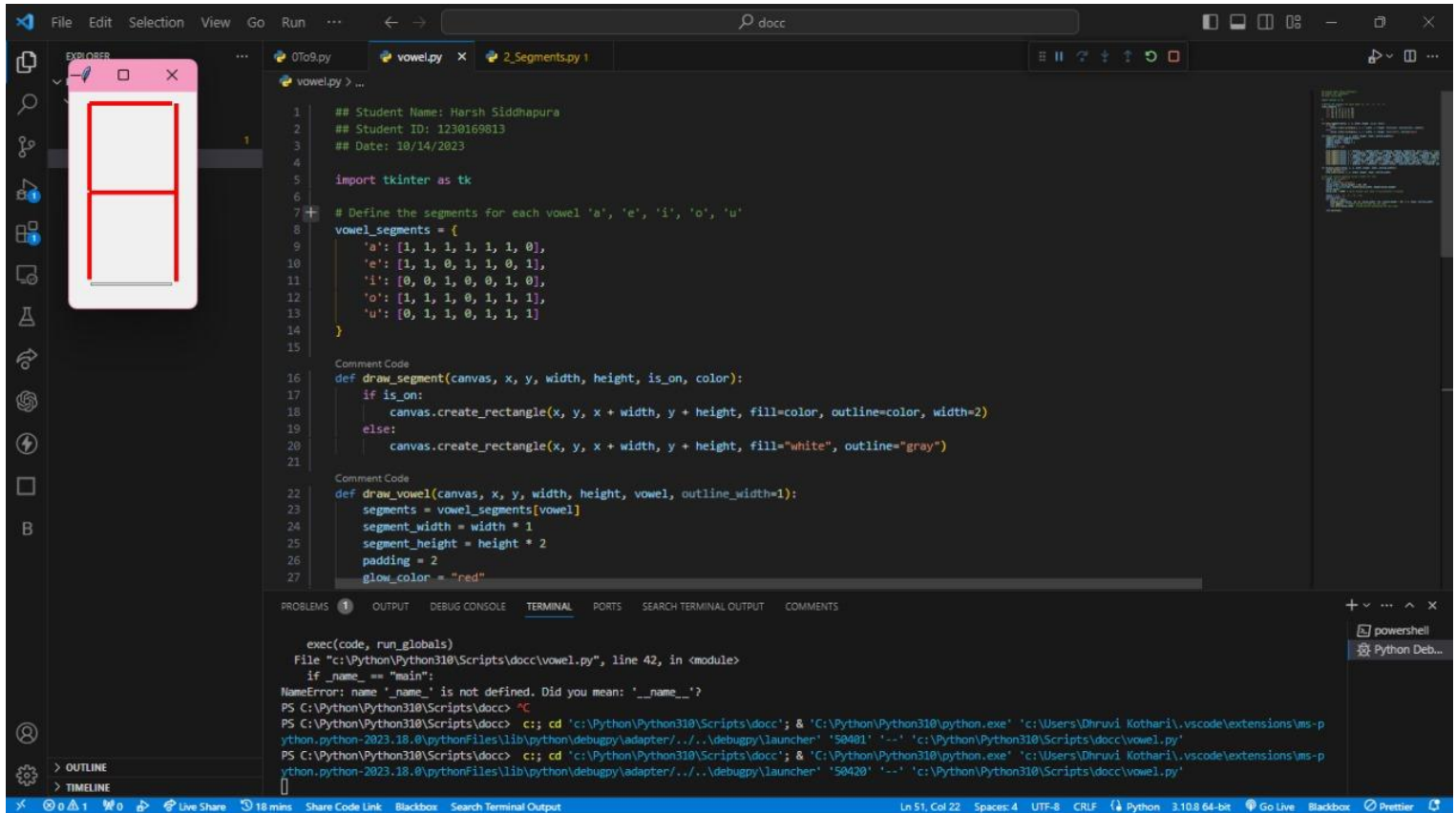
```
1 ## Student Name: Harsh Siddhapura
2 ## Student ID: 1230169813
3 ## Date: 10/14/2023
4
5 import tkinter as tk
6
7 # Define the segments for each digit from 0 to 9
8 segments = {
9     0: [1, 1, 1, 1, 1, 1, 0],
10    1: [0, 1, 1, 0, 0, 0, 0],
11    2: [1, 1, 0, 1, 1, 0, 1],
12    3: [1, 1, 1, 1, 0, 0, 1],
13    4: [0, 1, 1, 0, 0, 1, 1],
14    5: [1, 0, 1, 1, 0, 1, 1],
15    6: [1, 0, 1, 1, 1, 1, 1],
16    7: [1, 1, 1, 0, 0, 0, 0],
17    8: [1, 1, 1, 1, 1, 1, 1],
18    9: [1, 1, 1, 1, 0, 1, 1]
19 }
20
21 Comment Code
22 def draw_segment(canvas, x, y, width, height, is_on, color):
23     if is_on:
24         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill=color, outline= color, width=2)
25     else:
26         canvas.create_rectangle(x, y, x + width * 6, y + height * 10, fill="white", outline="gray")
27
28 Comment Code
29 def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
```

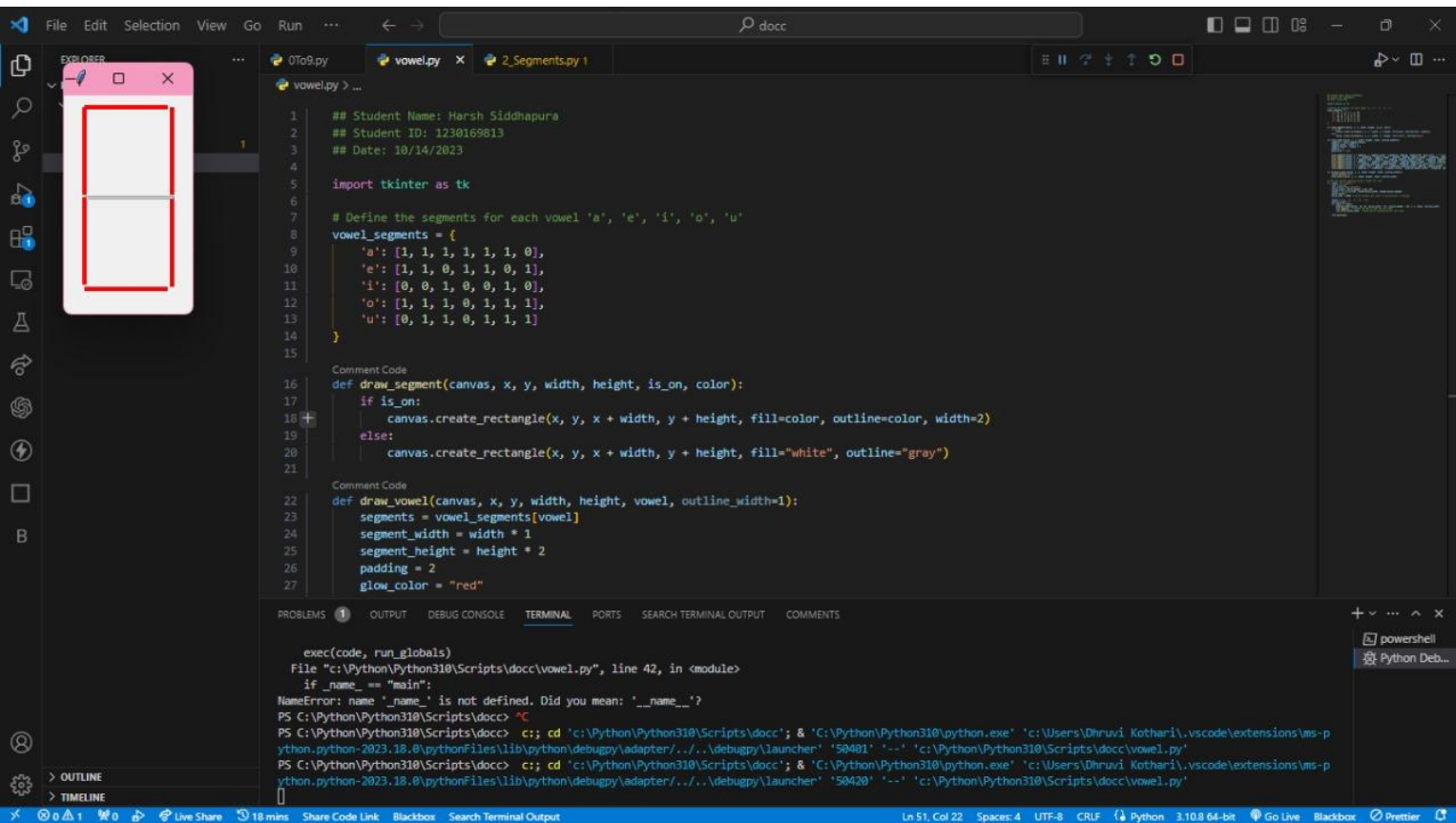
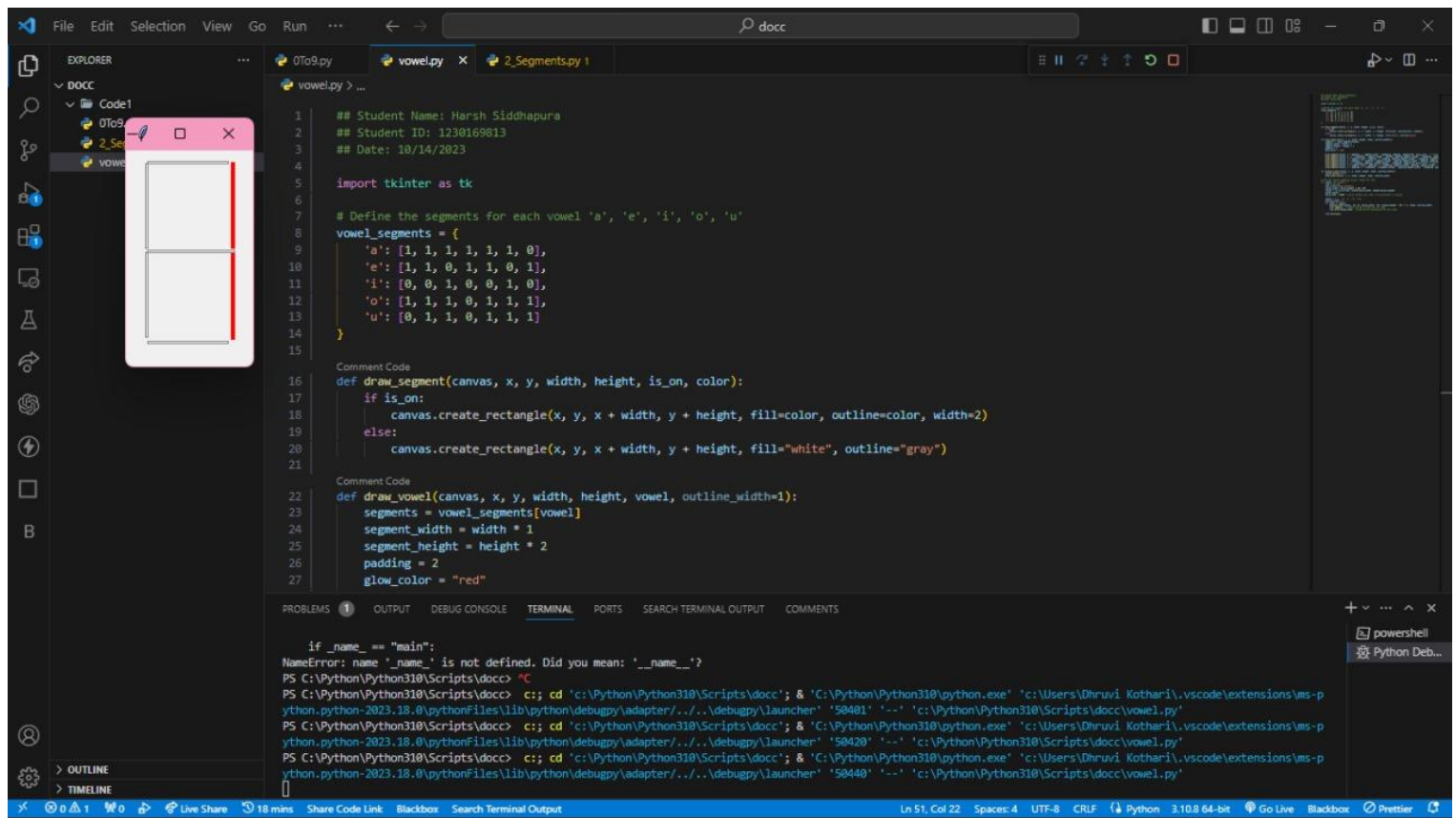
Terminal Output:

```
PS C:\Python\Python310\Scripts\docc> & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49798' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49837' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49864' '-' 'c:\Python\Python310\Scripts\docc\0To9.py'
```



AEIOU - 7 Segment Display





File Edit Selection View Go Run ... docc

EXPLORER

0To9.py vowel.py 2_Segments.py 1

vowel.py > ...

```
1  ## Student Name: Harsh Siddhapura
2  ## Student ID: 1230169813
3  ## Date: 10/14/2023
4
5  import tkinter as tk
6
7  # Define the segments for each vowel 'a', 'e', 'i', 'o', 'u'
8  vowel_segments = {
9      'a': [1, 1, 1, 1, 1, 1, 0],
10     'e': [1, 1, 0, 1, 1, 0, 1],
11     'i': [0, 0, 1, 0, 0, 1, 0],
12     'o': [1, 1, 1, 0, 1, 1, 1],
13     'u': [0, 1, 1, 0, 1, 1, 1]
14 }
15
16 Comment Code
17 def draw_segment(canvas, x, y, width, height, is_on, color):
18     if is_on:
19         canvas.create_rectangle(x, y, x + width, y + height, fill=color, outline=color, width=2)
20     else:
21         canvas.create_rectangle(x, y, x + width, y + height, fill="white", outline="gray")
22
23 Comment Code
24 def draw_vowel(canvas, x, y, width, height, vowel, outline_width=1):
25     segments = vowel_segments[vowel]
26     segment_width = width * 1
27     segment_height = height * 2
28     padding = 2
29     glow_color = "red"
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT COMMENTS

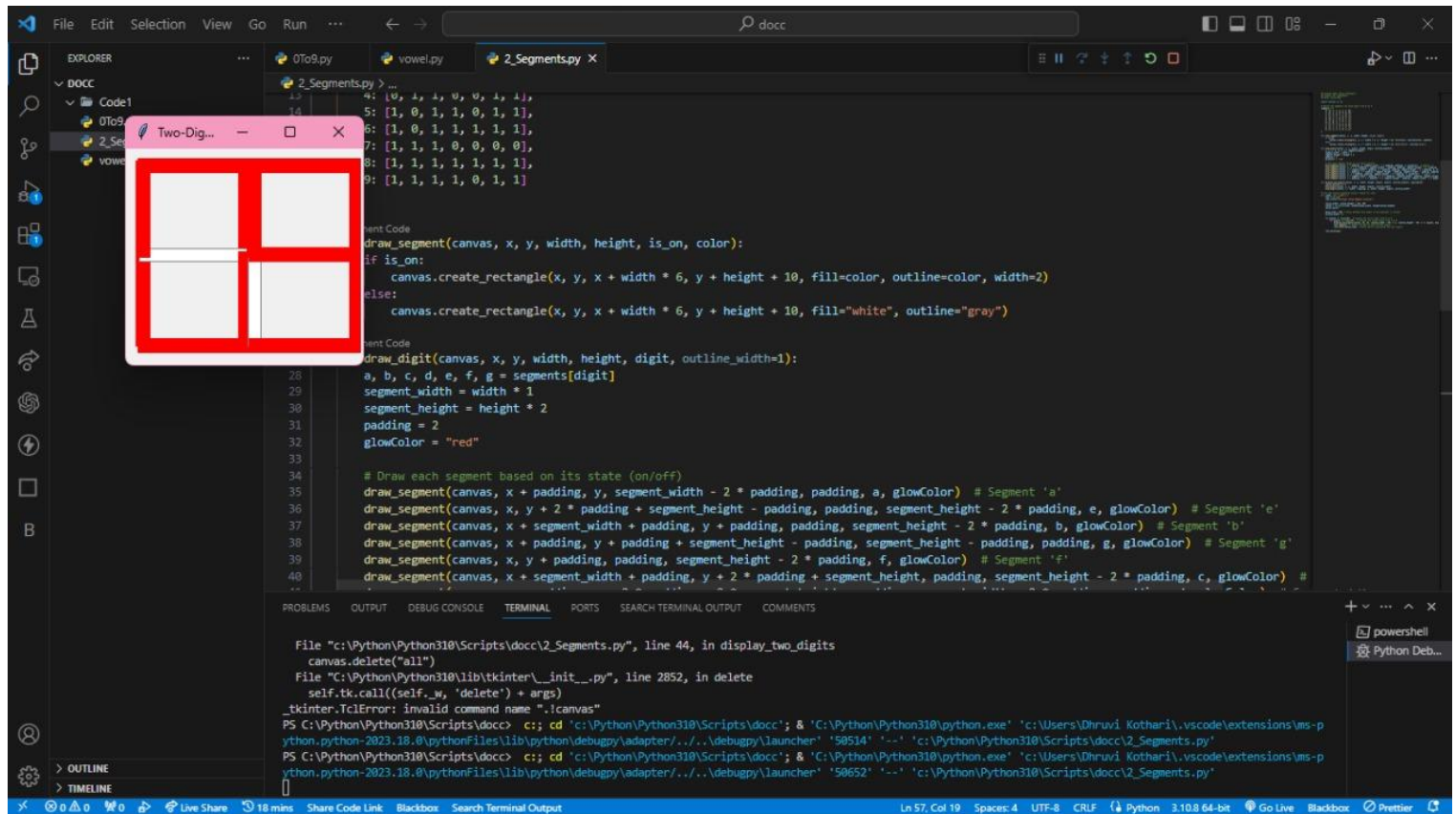
```
exec(code, run_globals)
File "c:\Python\Python310\Scripts\docc\vowel.py", line 42, in <module>
    if __name__ == "__main__":
NameError: name '__name__' is not defined. Did you mean: '__name__'?
PS C:\Python\Python310\Scripts\docc> ^C
PS C:\Python\Python310\Scripts\docc> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\vscode\extensions\ms-p
ython.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '50401' '--' 'c:\Python\Python310\Scripts\docc\vowel.py'
PS C:\Python\Python310\Scripts\docc> c; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\vscode\extensions\ms-p
ython.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '50420' '--' 'c:\Python\Python310\Scripts\docc\vowel.py'
```

OUTLINE

TIMELINE

Live Share 18 mins Share Code Link Blackbox Search Terminal Output Ln 51, Col 22 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit Go Live Blackbox Prettier

2 Digit - 7 Segment Display

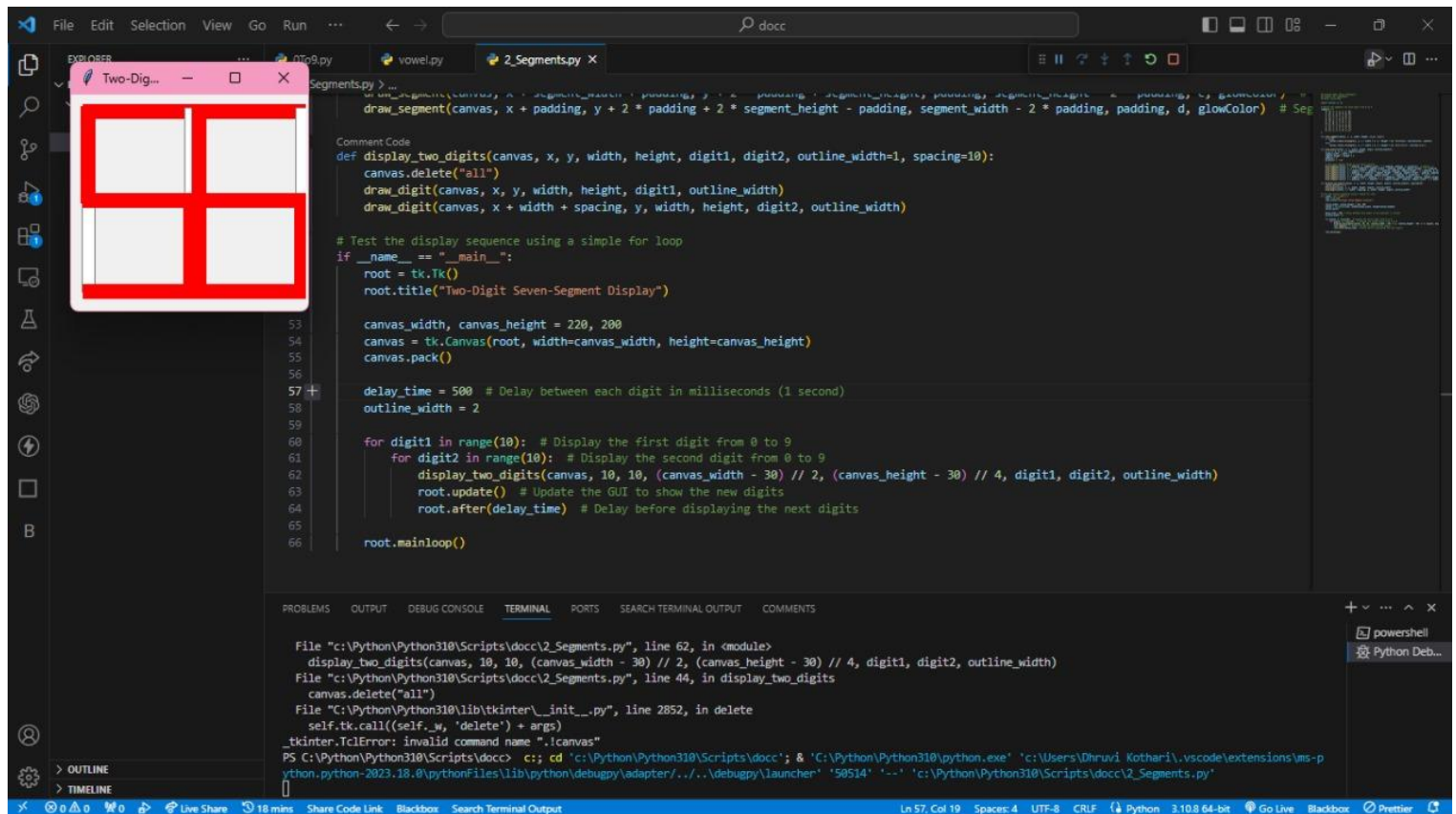


```
File Edit Selection View Go Run ... docc
EXPLORER
  Code1
  0To9.py
  2_Segments.py
  vowel.py
2_Segments.py
  4: [0, 1, 1, 1, 0, 1, 1],
  5: [1, 0, 1, 1, 1, 1, 1],
  6: [1, 0, 1, 1, 1, 1, 1],
  7: [1, 1, 1, 0, 0, 0, 0],
  8: [1, 1, 1, 1, 1, 1, 1],
  9: [1, 1, 1, 1, 0, 1, 1]

def draw_digit(canvas, x, y, width, height, digit, outline_width=1):
    a, b, c, d, e, f, g = segments[digit]
    segment_width = width * 1
    segment_height = height * 2
    padding = 2
    glowColor = "red"

    # Draw each segment based on its state (on/off)
    draw_segment(canvas, x + padding, y, segment_width - 2 * padding, padding, a, glowColor) # Segment 'a'
    draw_segment(canvas, x + padding, y + 2 * padding + segment_height - padding, padding, segment_height - 2 * padding, e, glowColor) # Segment 'e'
    draw_segment(canvas, x + segment_width + padding, y + padding, padding, segment_height - 2 * padding, b, glowColor) # Segment 'b'
    draw_segment(canvas, x + padding, y + padding + segment_height - padding, segment_height - padding, padding, g, glowColor) # Segment 'g'
    draw_segment(canvas, x, y + padding, padding, segment_height - 2 * padding, f, glowColor) # Segment 'f'
    draw_segment(canvas, x + segment_width + padding, y + 2 * padding + segment_height, padding, segment_height - 2 * padding, c, glowColor) # Segment 'c'

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT COMMENTS
File "c:\Python\Python310\Scripts\docc\2_Segments.py", line 44, in display_two_digits
    canvas.delete("all")
File "C:\Python\Python310\lib\tkinter\_init_.py", line 2852, in delete
    self.tk.call((self._w, 'delete') + args)
_tkinter.TclError: invalid command name ".!canvas"
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-p
python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\...\.debugpy\launcher' '50514' '-...' 'c:\Python\Python310\Scripts\docc\2_Segments.py'
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-p
python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\...\.debugpy\launcher' '50652' '-...' 'c:\Python\Python310\Scripts\docc\2_Segments.py'
```



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EXPLORER
  Code1
  0To9.py
  2_Segments.py
  vowel.py
2_Segments.py
  def display_two_digits(canvas, x, y, width, height, digit1, digit2, outline_width=1, spacing=10):
    canvas.delete("all")
    draw_digit(canvas, x, y, width, height, digit1, outline_width)
    draw_digit(canvas, x + width + spacing, y, width, height, digit2, outline_width)

    # Test the display sequence using a simple for loop
    if __name__ == "__main__":
        root = tk.Tk()
        root.title("Two-Digit Seven-Segment Display")

        canvas_width, canvas_height = 220, 200
        canvas = tk.Canvas(root, width=canvas_width, height=canvas_height)
        canvas.pack()

        delay_time = 500 # Delay between each digit in milliseconds (1 second)
        outline_width = 2

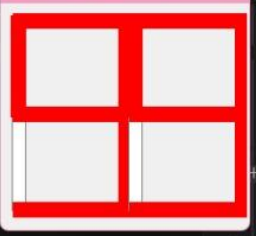
        for digit1 in range(10): # Display the first digit from 0 to 9
            for digit2 in range(10): # Display the second digit from 0 to 9
                display_two_digits(canvas, 10, 10, (canvas_width - 30) // 2, (canvas_height - 30) // 4, digit1, digit2, outline_width)
                root.update() # Update the GUI to show the new digits
                root.after(delay_time) # Delay before displaying the next digits

        root.mainloop()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT COMMENTS
File "c:\Python\Python310\Scripts\docc\2_Segments.py", line 62, in <module>
    display_two_digits(canvas, 10, 10, (canvas_width - 30) // 2, (canvas_height - 30) // 4, digit1, digit2, outline_width)
File "c:\Python\Python310\Scripts\docc\2_Segments.py", line 44, in display_two_digits
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_tkinter.TclError: invalid command name ".!canvas"
PS C:\Python\Python310\Scripts\docc> c:; cd 'c:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'c:\Users\Dhruvi Kothari\.vscode\extensions\ms-p
python.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\...\.debugpy\launcher' '50514' '-...' 'c:\Python\Python310\Scripts\docc\2_Segments.py'
```

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Two-Dig... - X



```
def draw_segment(canvas, x, segment_width, padding, y, segment_height, digit1, digit2, outline_width, glowColor):
    draw_digit(canvas, x, y, segment_width, segment_height, digit1, outline_width)
    draw_digit(canvas, x + width + spacing, y, segment_height - padding, digit2, outline_width)

def display_two_digits(canvas, x, y, width, height, digit1, digit2, outline_width=1, spacing=10):
    canvas.delete("all")
    draw_digit(canvas, x, y, width, height, digit1, outline_width)
    draw_digit(canvas, x + width + spacing, y, width, height, digit2, outline_width)

# Test the display sequence using a simple for loop
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT COMMENTS

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PS C:\Python\Python310\Scripts\docc> cd 'C:\Python\Python310\Scripts\docc'; & 'C:\Python\Python310\python.exe' 'C:\Users\Dhruvi Kothari\vscode\extensions\ms-pyhton.python-2023.18.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '50514' '-x' 'C:\Python\Python310\Scripts\docc\2_Segments.py'

Ln 57, Col 19 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit Go Live Blackbox Prettier