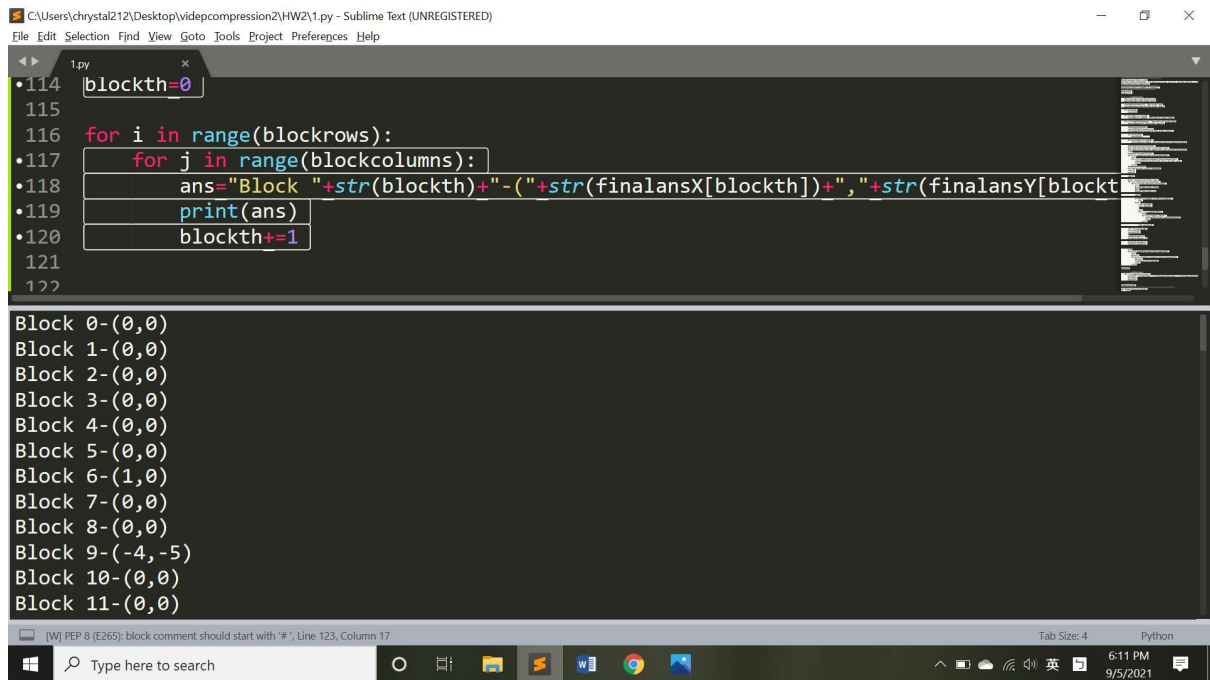


視訊壓縮 HW2 學號:108753208 姓名:葉冠宏

1.

(a)



The screenshot shows a Sublime Text editor window titled "1.py" with the following Python code:

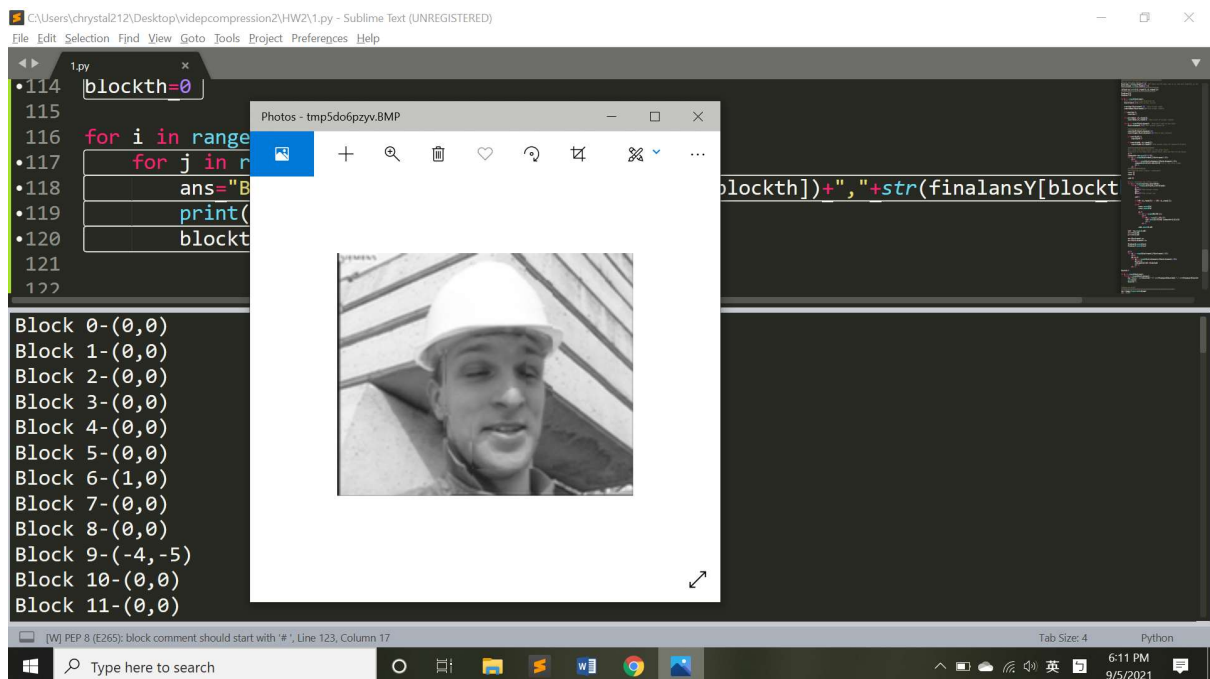
```
114 blockth=0
115
116 for i in range(blockrows):
117     for j in range(blockcolumns):
118         ans="Block "+str(blockth)+"-"+str(finalansX[blockth])+","+str(finalansY[blockth])
119         print(ans)
120         blockth+=1
121
122
```

The output of the script is displayed in the console area below the editor:

```
Block 0-(0,0)
Block 1-(0,0)
Block 2-(0,0)
Block 3-(0,0)
Block 4-(0,0)
Block 5-(0,0)
Block 6-(1,0)
Block 7-(0,0)
Block 8-(0,0)
Block 9-(-4,-5)
Block 10-(0,0)
Block 11-(0,0)
```

The status bar at the bottom indicates the file is "1.py" and the current line is 123, column 17. The taskbar shows the time as 6:11 PM on 9/5/2021.

(b)



2.

(a)

```
C:\Users\chrysal212\Desktop\videocompression2\HW2\2.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

2.py x
116
117 count=0
118 for i in range(blockrows):
119     for j in range(blockcols):
120         if finalmodes[count] != -1:
121             ans="Block "+str(count)+": "+str(mode)+str(finalmodes[count])
122             print(ans)
123
124         count+=1
125
126
127

Block 91: mode0
Block 92: mode4
Block 93: mode4
Block 94: mode2
Block 95: mode0
Block 96: mode0
Block 97: mode1
Block 98: mode1
[Finished in 0.6s]

[V] PEP 8 (W191): indentation contains tabs; [V] PEP 8 (W293): blank line contains whitespace, Line 125, Column 1
Tab Size: 4 Python
Type here to search
```

(b)

```
C:\Users\chrysal212\Desktop\videocompression2\HW2\2.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

2.py x
135
136
137
138 count+=1
139
140
141 res=Image.fromarray(collage)
142 res.show()
143 res = res.convert('RGB')
144 res.save("2b.jpg")

Block 91: mode0
Block 92: mode4
Block 93: mode4
Block 94: mode2
Block 95: mode0
Block 96: mode0
Block 97: mode1
Block 98: mode1
[Finished in 2.8s]

Line 140, Column 1
Tab Size: 4 Python
Type here to search
```

Photos - tmpbw091cdw.BMP

