

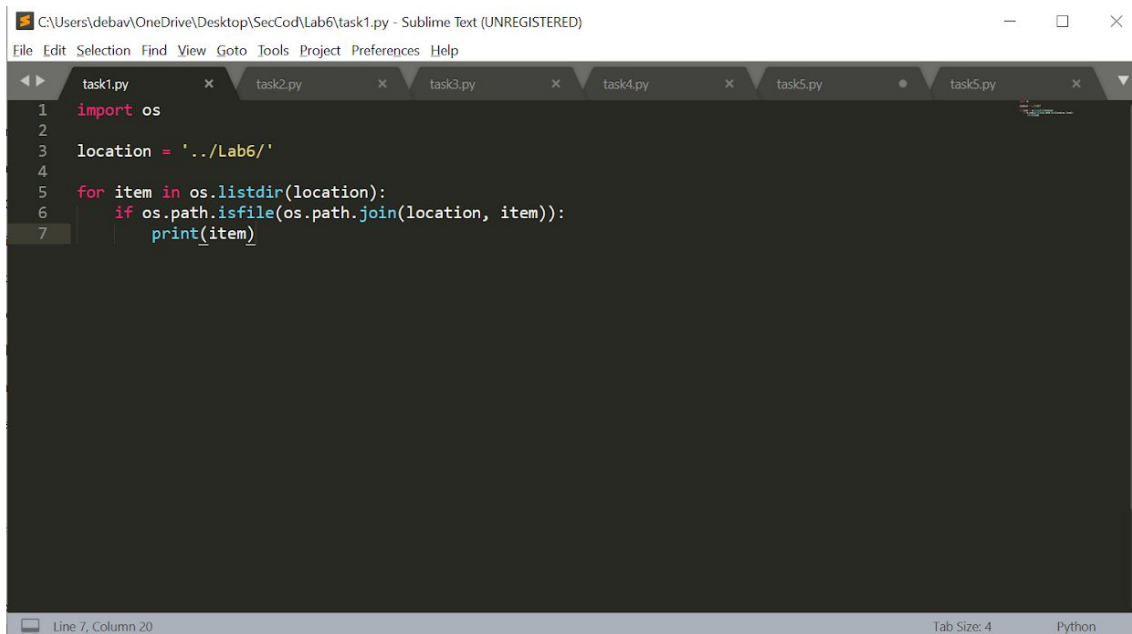
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Registration Number : 19BCN7014

Slot : L39-40

Subject Code : CSE2010

Q1. Write a python script to get all the file names in the current directory

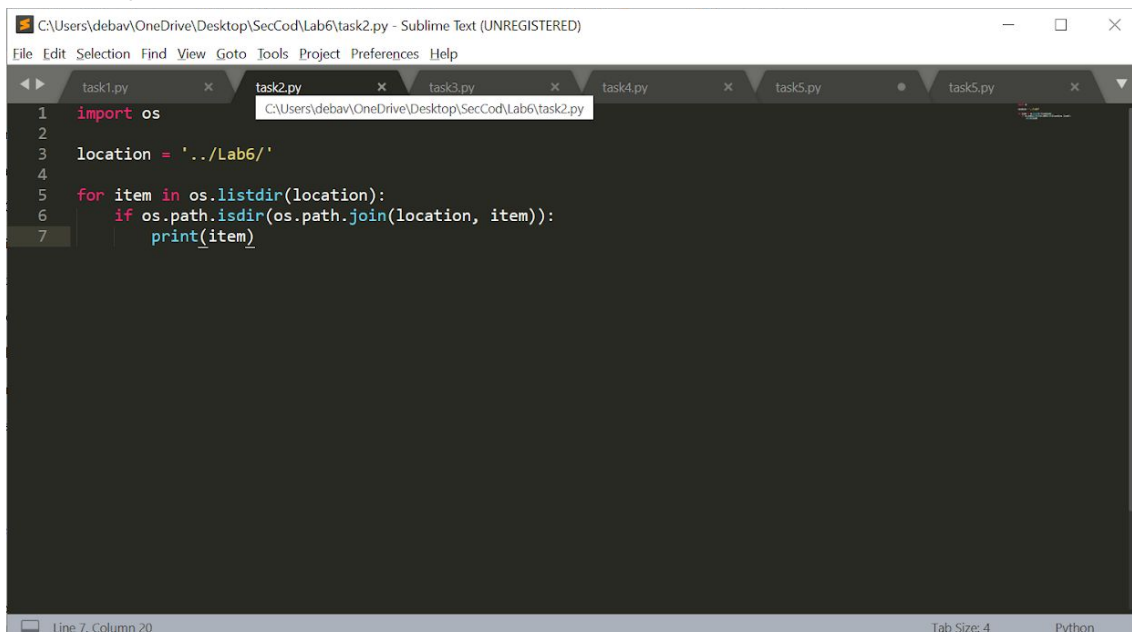


The screenshot shows a Sublime Text editor window titled "C:\Users\debav\OneDrive\Desktop\SecCod\Lab6\task1.py - Sublime Text (UNREGISTERED)". The editor has a menu bar with "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". Below the menu bar are several tabs for "task1.py", "task2.py", "task3.py", "task4.py", "task5.py", and "task6.py". The "task1.py" tab is active, displaying a Python script with the following code:

```
1 import os
2
3 location = '../Lab6/'
4
5 for item in os.listdir(location):
6     if os.path.isfile(os.path.join(location, item)):
7         print(item)
```

The status bar at the bottom indicates "Line 7, Column 20", "Tab Size: 4", and "Python".

Q2. Write a python script to get all the directory names in the current directory

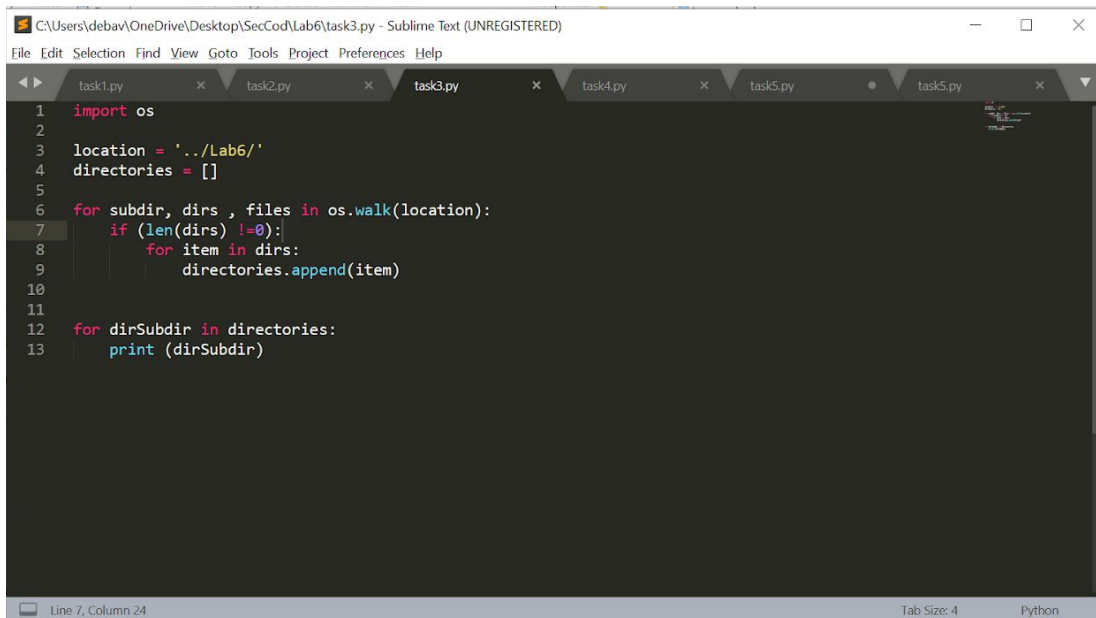


The screenshot shows a Sublime Text editor window titled "C:\Users\debav\OneDrive\Desktop\SecCod\Lab6\task2.py - Sublime Text (UNREGISTERED)". The editor has a menu bar with "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". Below the menu bar are several tabs for "task1.py", "task2.py", "task3.py", "task4.py", "task5.py", and "task6.py". The "task2.py" tab is active, displaying a Python script with the following code:

```
1 import os
2
3 location = '../Lab6/'
4
5 for item in os.listdir(location):
6     if os.path.isdir(os.path.join(location, item)):
7         print(item)
```

The status bar at the bottom indicates "Line 7, Column 20", "Tab Size: 4", and "Python".

Q3. Write a python script to get all the directory and subdirectory names in the current directory

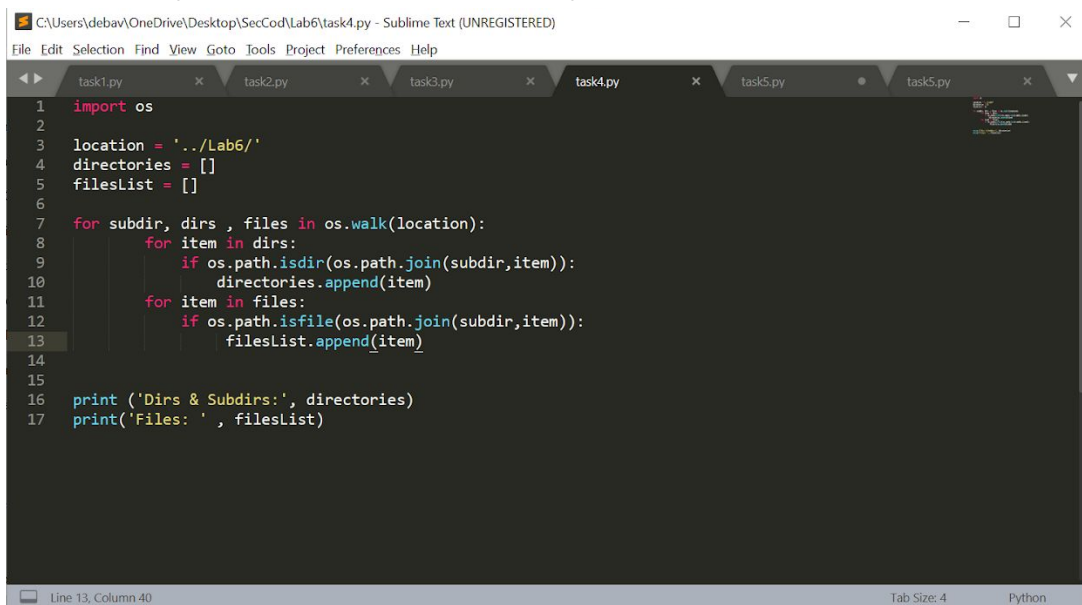


```
C:\Users\debav\OneDrive\Desktop\SecCod\Lab6\task3.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

task1.py x task2.py x task3.py x task4.py x task5.py x task6.py x
1 import os
2
3 location = '../Lab6/'
4 directories = []
5
6 for subdir, dirs, files in os.walk(location):
7     if (len(dirs) != 0):
8         for item in dirs:
9             directories.append(item)
10
11
12 for dirSubdir in directories:
13     print (dirSubdir)

Line 7, Column 24 Tab Size: 4 Python
```

Q4. Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current directory

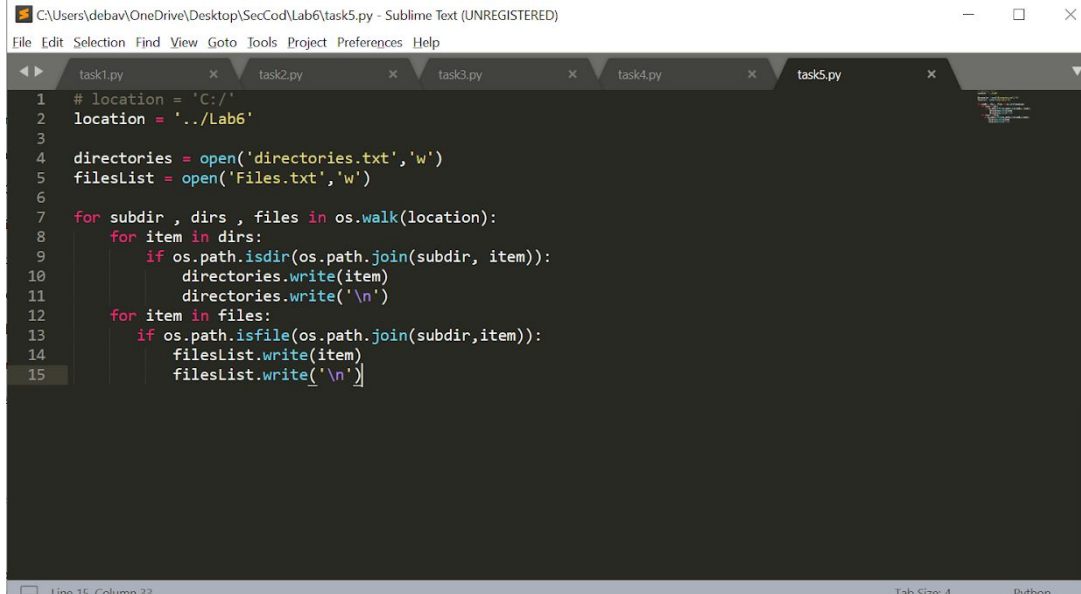


```
C:\Users\debav\OneDrive\Desktop\SecCod\Lab6\task4.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

task1.py x task2.py x task3.py x task4.py x task5.py x task6.py x
1 import os
2
3 location = '../Lab6/'
4 directories = []
5 fileList = []
6
7 for subdir, dirs, files in os.walk(location):
8     for item in dirs:
9         if os.path.isdir(os.path.join(subdir,item)):
10             directories.append(item)
11     for item in files:
12         if os.path.isfile(os.path.join(subdir,item)):
13             fileList.append(item)
14
15
16 print ('Dirs & Subdirs:', directories)
17 print('Files: ', fileList)

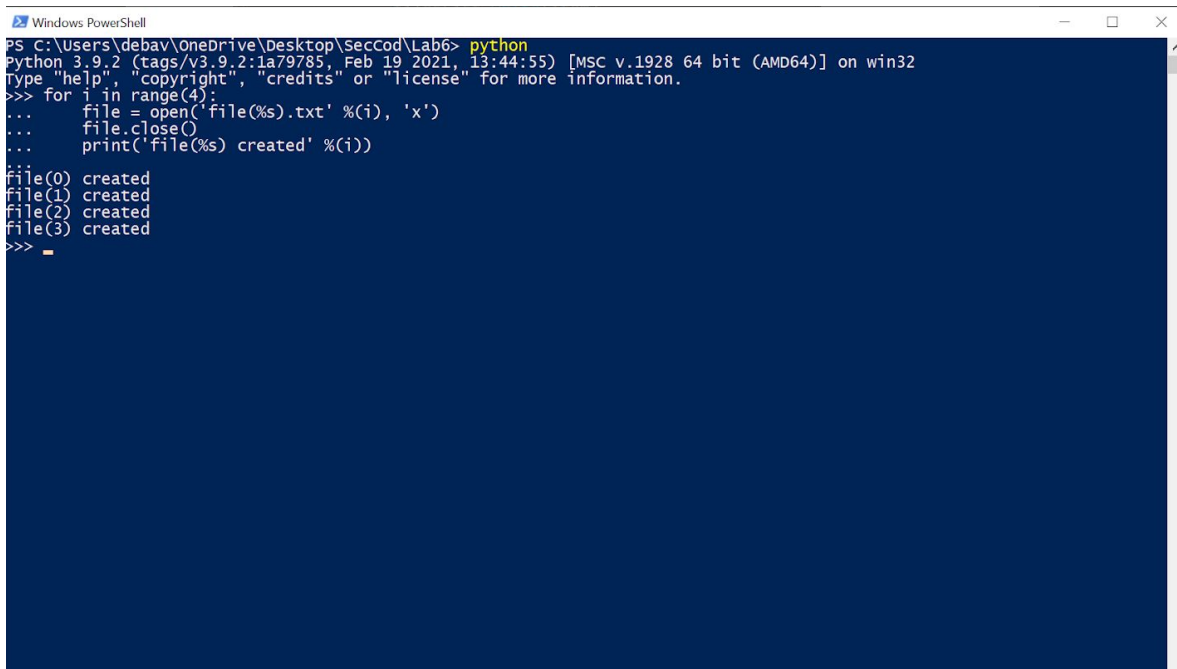
Line 13, Column 40 Tab Size: 4 Python
```

Q5. Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current drive and write it to a text file



```
C:\Users\debav\OneDrive\Desktop\SecCod\Lab6\task5.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
task1.py task2.py task3.py task4.py task5.py
1 # location = 'C:/'
2 location = '../Lab6'
3
4 directories = open('directories.txt','w')
5 fileList = open('Files.txt','w')
6
7 for subdir, dirs, files in os.walk(location):
8     for item in dirs:
9         if os.path.isdir(os.path.join(subdir, item)):
10             directories.write(item)
11             directories.write('\n')
12     for item in files:
13         if os.path.isfile(os.path.join(subdir,item)):
14             fileList.write(item)
15             fileList.write('\n')
Line 15, Column 33 Tab Size: 4 Python
```

Q6. Write a python script which creates four new files in the current directory using PowerShell



```
Windows PowerShell
PS C:\Users\debav\OneDrive\Desktop\SecCod\Lab6> python
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> for i in range(4):
...     file = open('file(%s).txt' % (i), 'x')
...     file.close()
...     print('file(%s) created' % (i))
file(0) created
file(1) created
file(2) created
file(3) created
>>>
```