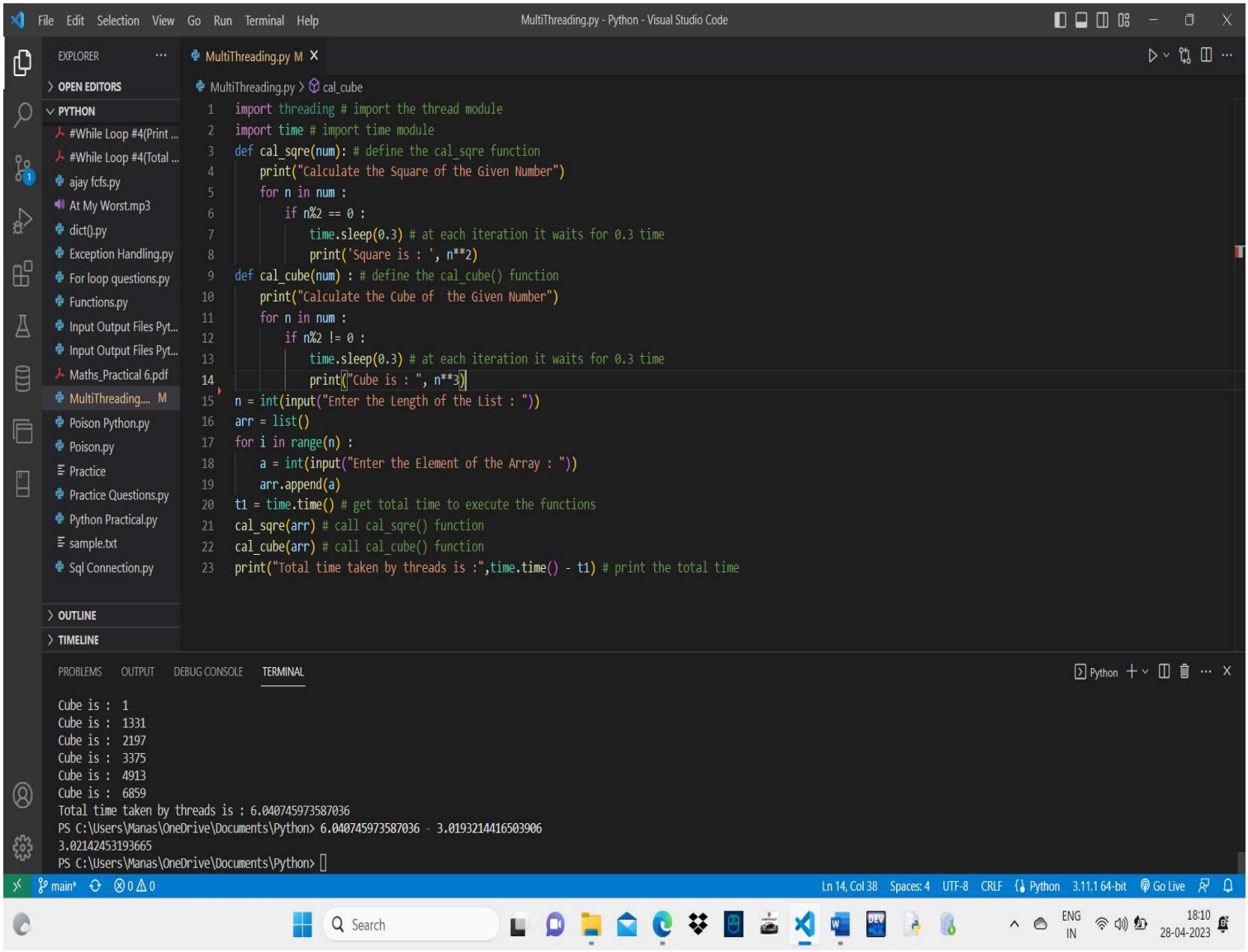
File Edit Selection View Go Run Terminal Help
MultiThreading.py - Python - Visual Studio Code
EXPLORER
OPEN EDITORS
PYTHON
#While Loop #4(Print ...
#While Loop #4(Total ...
ajay fcfs.py
At My Worst.mp3
dict().py
Exception Handling.py
For loop questions.py
Functions.py
Input Output Files Pyt...
Input Output Files Pyt...
Maths_Practical 6.pdf
MultiThreading.... M
Poison Python.py
Poison.py
Practice
Practice Questions.py
Python Practical.py
sample.txt
Sql Connection.py
OUTLINE
TIMELINE
MultiThreading.py M
MultiThreading.py > cal_cube
1 import threading # import the thread module
2 import time # import time module
3 def cal_sqre(num): # define the cal_sqre function
4 print("Calculate the Square of the Given Number")
5 for n in num :
6 if n%2 == 0 :
7 time.sleep(0.3) # at each iteration it waits for 0.3 time
8 print('Square is : ', n**2)
9 def cal_cube(num) : # define the cal_cube() function
10 print("Calculate the Cube of the Given Number")
11 for n in num :
12 if n%2 != 0 :
13 time.sleep(0.3) # at each iteration it waits for 0.3 time
14 print("Cube is : ", n**3)
15 n = int(input("Enter the Length of the List : "))
16 arr = list()
17 for i in range(n) :
18 a = int(input("Enter the Element of the Array : "))
19 arr.append(a)
20 t1 = time.time() # get total time to execute the functions
21 cal_sqre(arr) # call cal_sqre() function
22 cal_cube(arr) # call cal_cube() function
23 print("Total time taken by threads is :",time.time() - t1) # print the total time
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python
Cube is : 1
Cube is : 1331
Cube is : 2197
Cube is : 3375
Cube is : 4913
Cube is : 6859
Total time taken by threads is : 6.040745973587036
PS C:\Users\Manas\OneDrive\Documents\Python> 6.040745973587036 - 3.0193214416503906
3.02142453193665
PS C:\Users\Manas\OneDrive\Documents\Python>
main* 0 0
Ln 14, Col 38 Spaces: 4 UTF-8 CRLF Python 3.11.1 64-bit Go Live
Search
ENG IN
18:10 28-04-2023