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**Batch: F8**

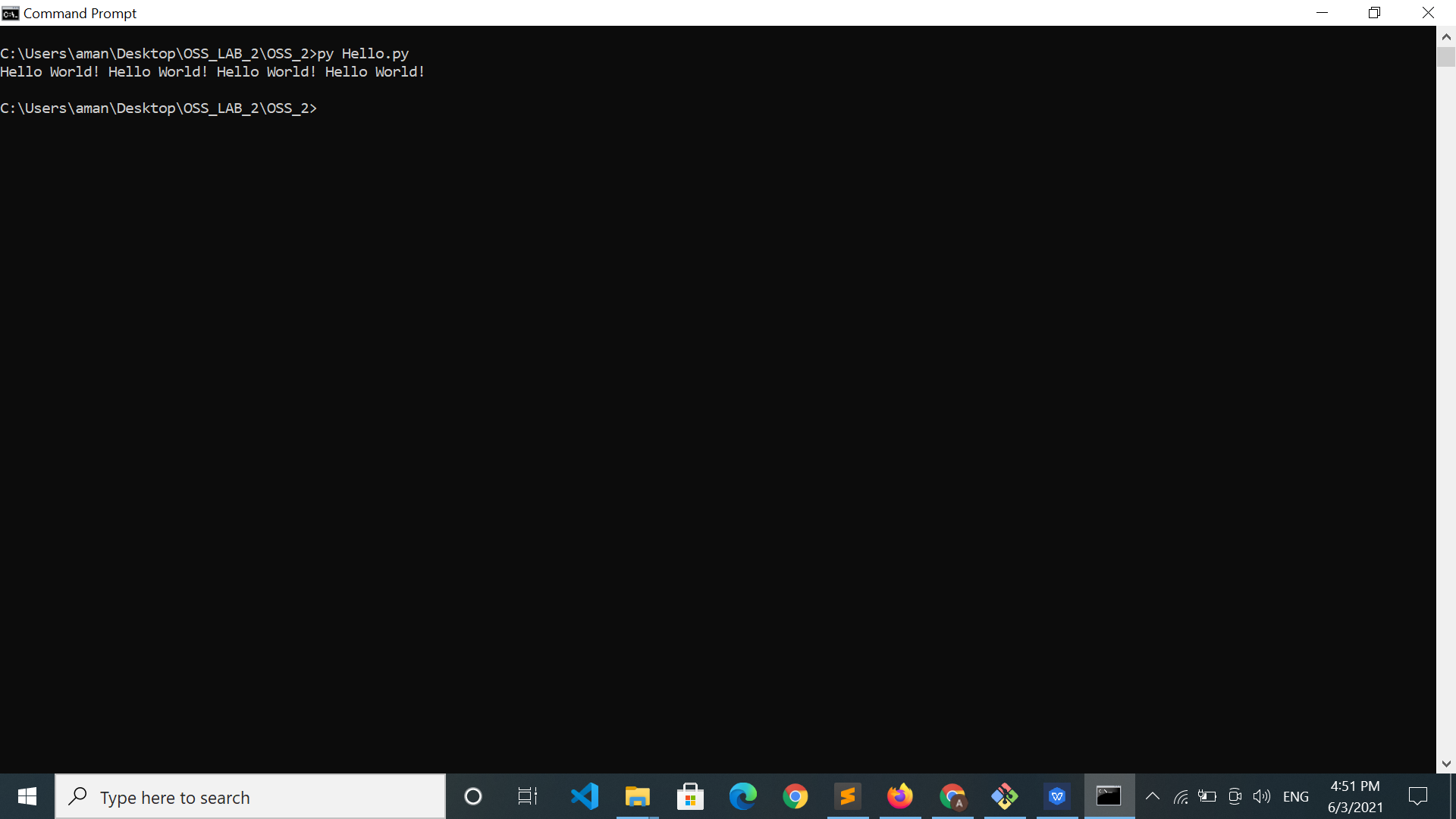
**Week 2 OSS**

**Github Link:** <https://github.com/Amanjakhetiya/OSS_LAB_2>

**Q1.**

a = "Hello World! "\*4

print(a)



**Q2.**

def Duplicate(l):

l1=[]

for i in l:

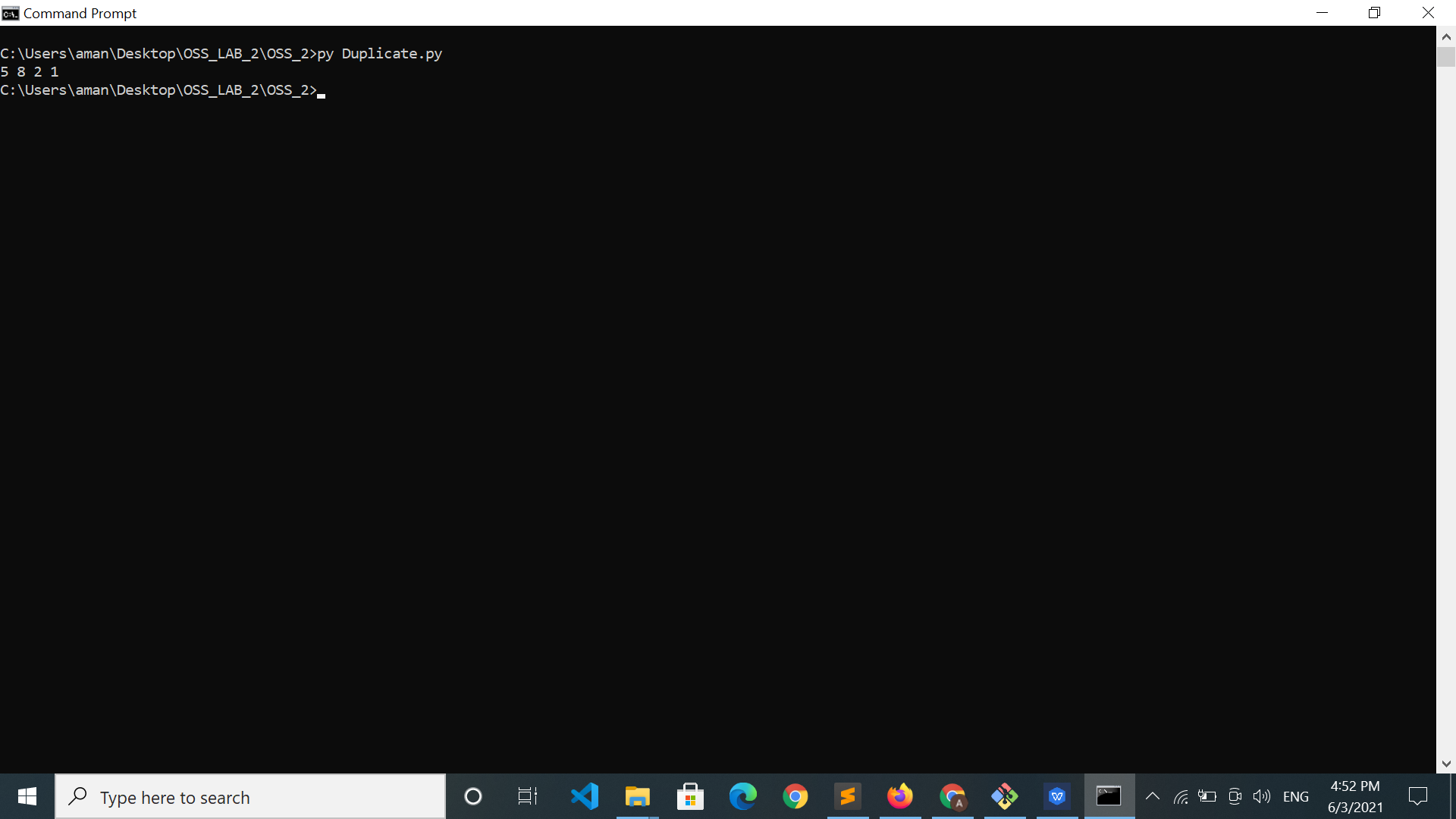
if i not in l1:

l1.append(i)

else:

print(i,end=' ')

l = [1,2,3,4,5,5,7,8,8,2,1]

Duplicate(l)

**Q3.**

def Group(l,si):

l1=[]

ans=[]

for i in range(0,len(l)):

k=i%si

if k==0:

if len(l1)==0:

l1.append(l[i])

else:

ans.append(l1)

l1=[]

l1.append(l[i])

else:

l1.append(l[i])

if len(l1)!=0:

ans.append(l1)

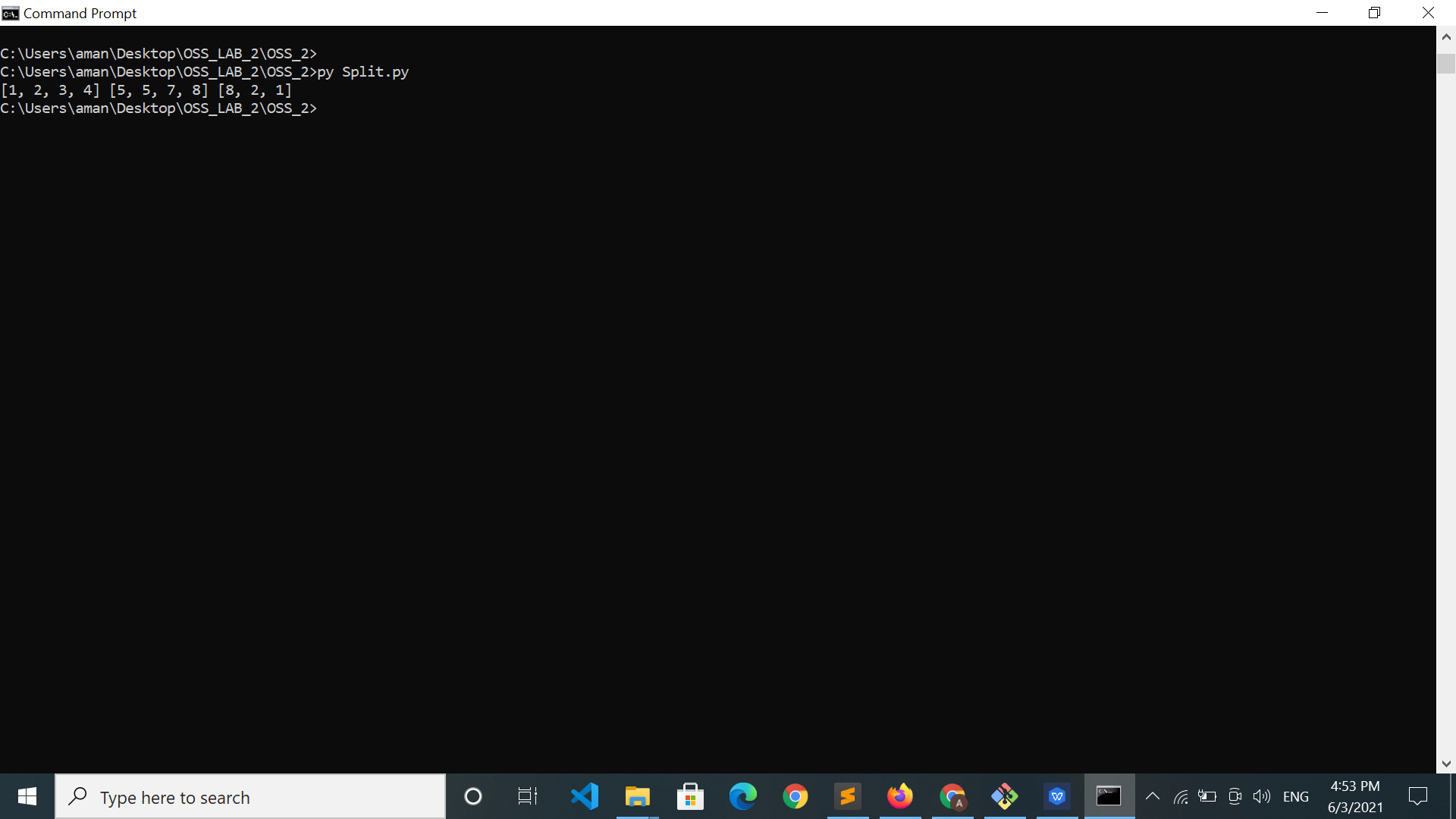
return ans

l = [1,2,3,4,5,5,7,8,8,2,1]

final = Group(l,4)

for i in final:

print(i,end=' ')



**Q4.**

def Lensort(l):

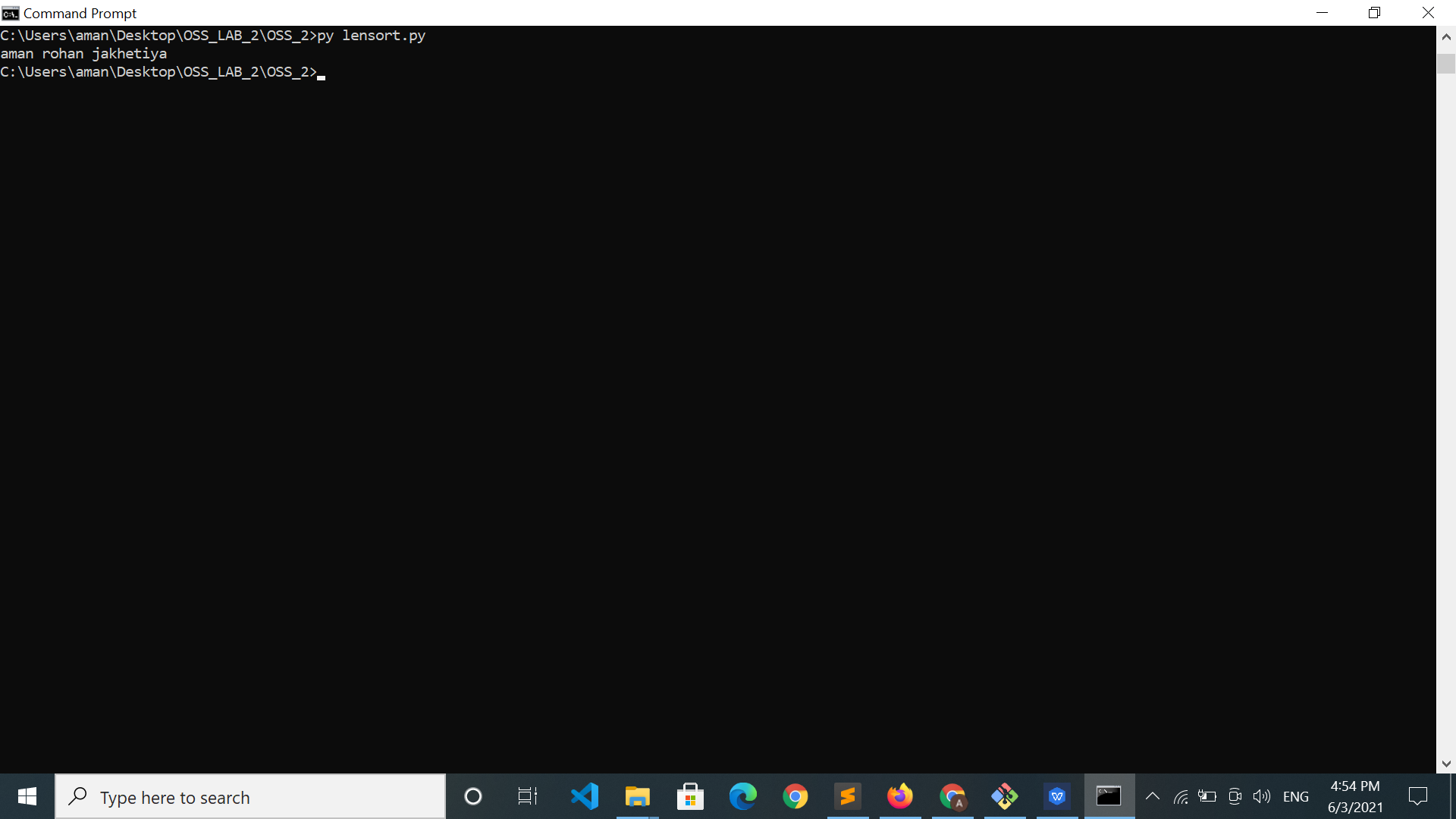
l = sorted(l,key=len)

for i in l:

print(i,end=' ')

l= ["aman","jakhetiya","rohan"]

Lensort(l)



**Q5.**

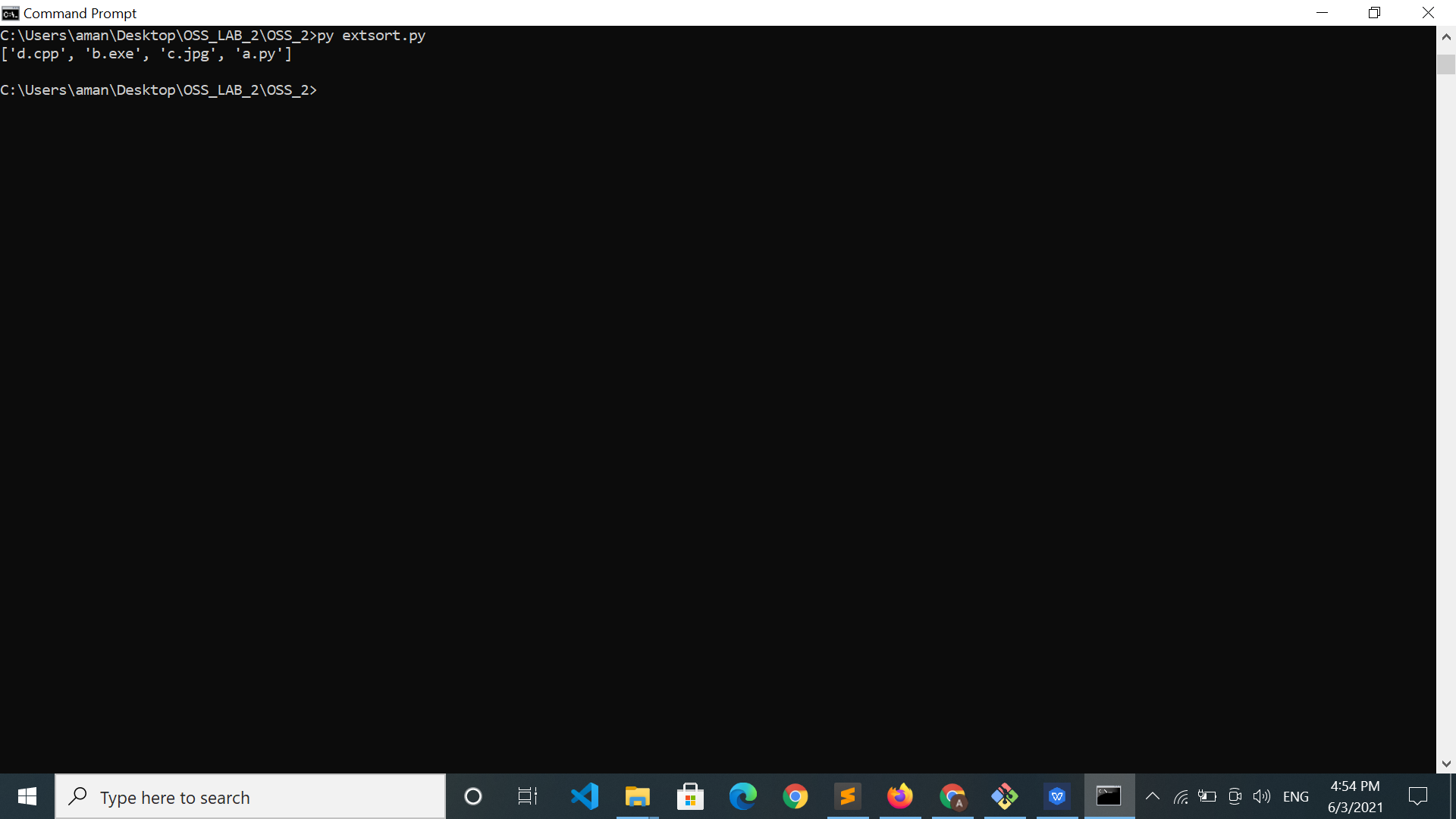
def Extsort(l):

l = sorted(l,key=lambda x:x.split('.')[1])

print(l)

l = ['a.py','b.exe','c.jpg','d.cpp']

Extsort(l)



**Q6.**

with open('Intro.txt','r') as W:

#read

print(W.read(),end='\n')

with open('Intro.txt','r') as W:

#readline

print(W.readline(),end='\n')

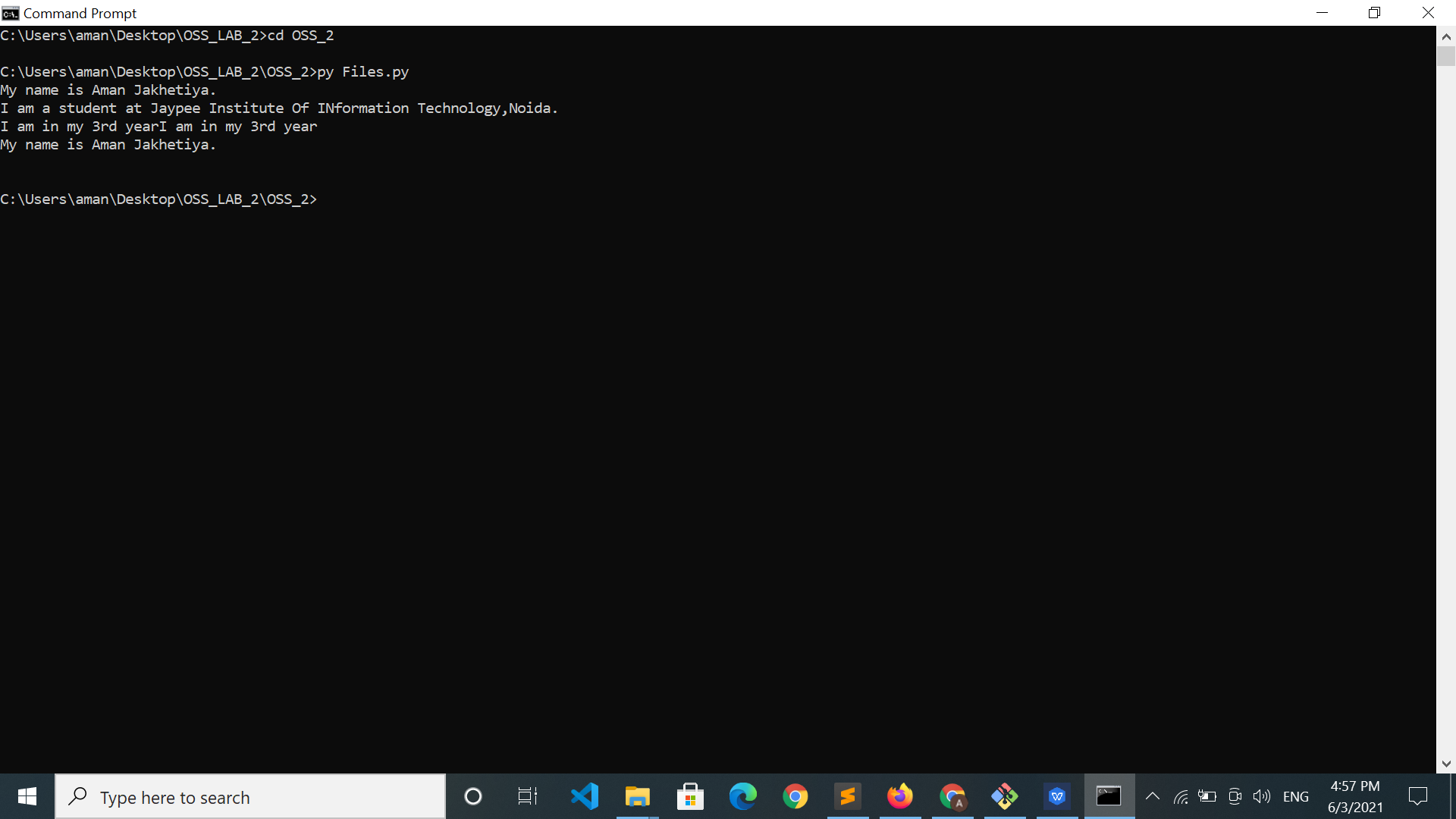
with open('Intro.txt','a') as W:

#write

W.write('I am in my 3rd year')

# W.writeline('Hello')

# print(W.read(),end='\n')



**Q7.**

with open('Intro.txt','r') as W:

no\_of\_lines=0

no\_of\_words=0

no\_of\_characters=0

for line in W:

line=line.strip("\n")

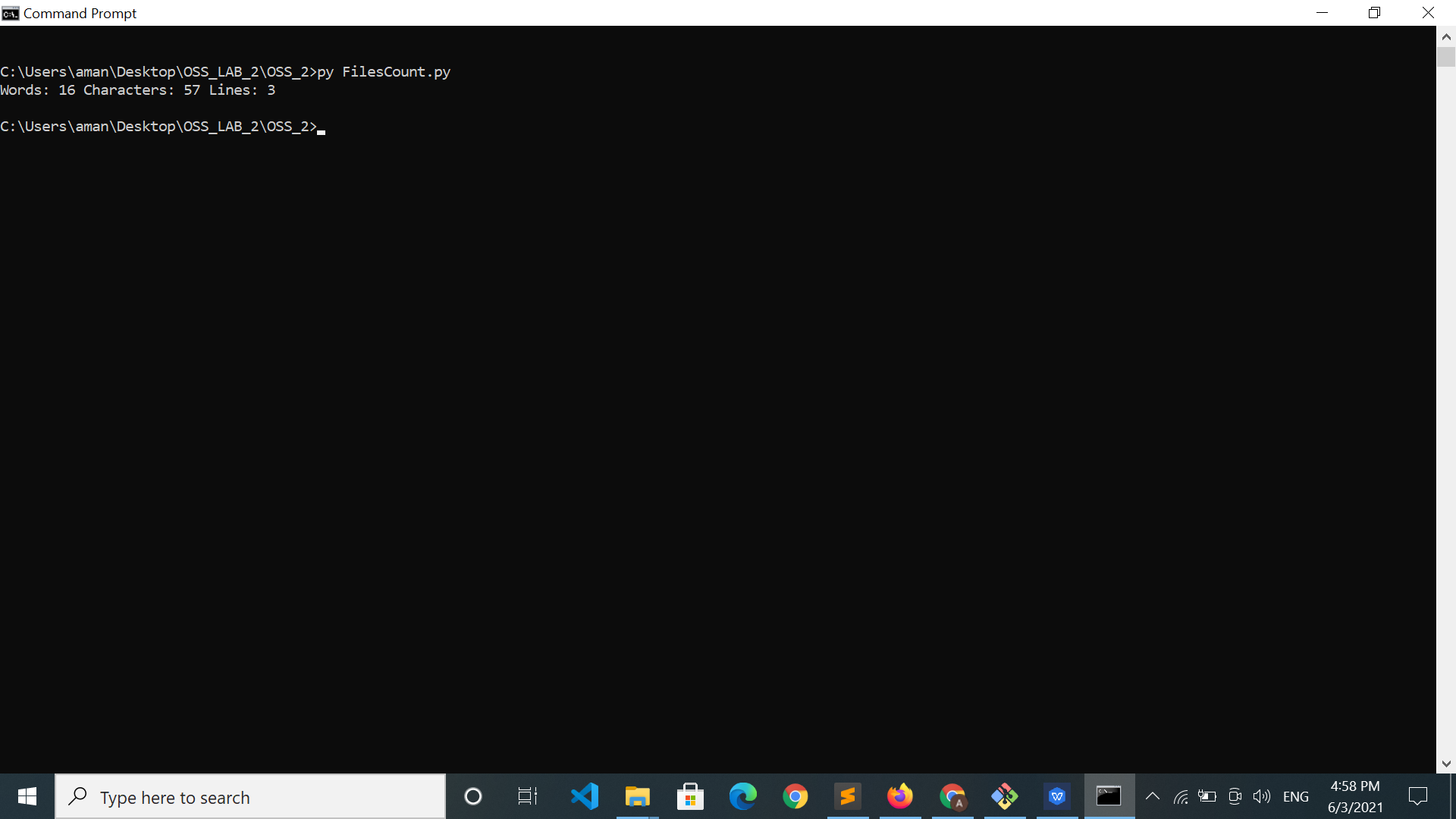
words=line.split()

no\_of\_words=len(words)

no\_of\_lines+=1

no\_of\_characters=len(line)

print("Words:",no\_of\_words,"Characters:",no\_of\_characters,"Lines:",no\_of\_lines)



**Q8.**

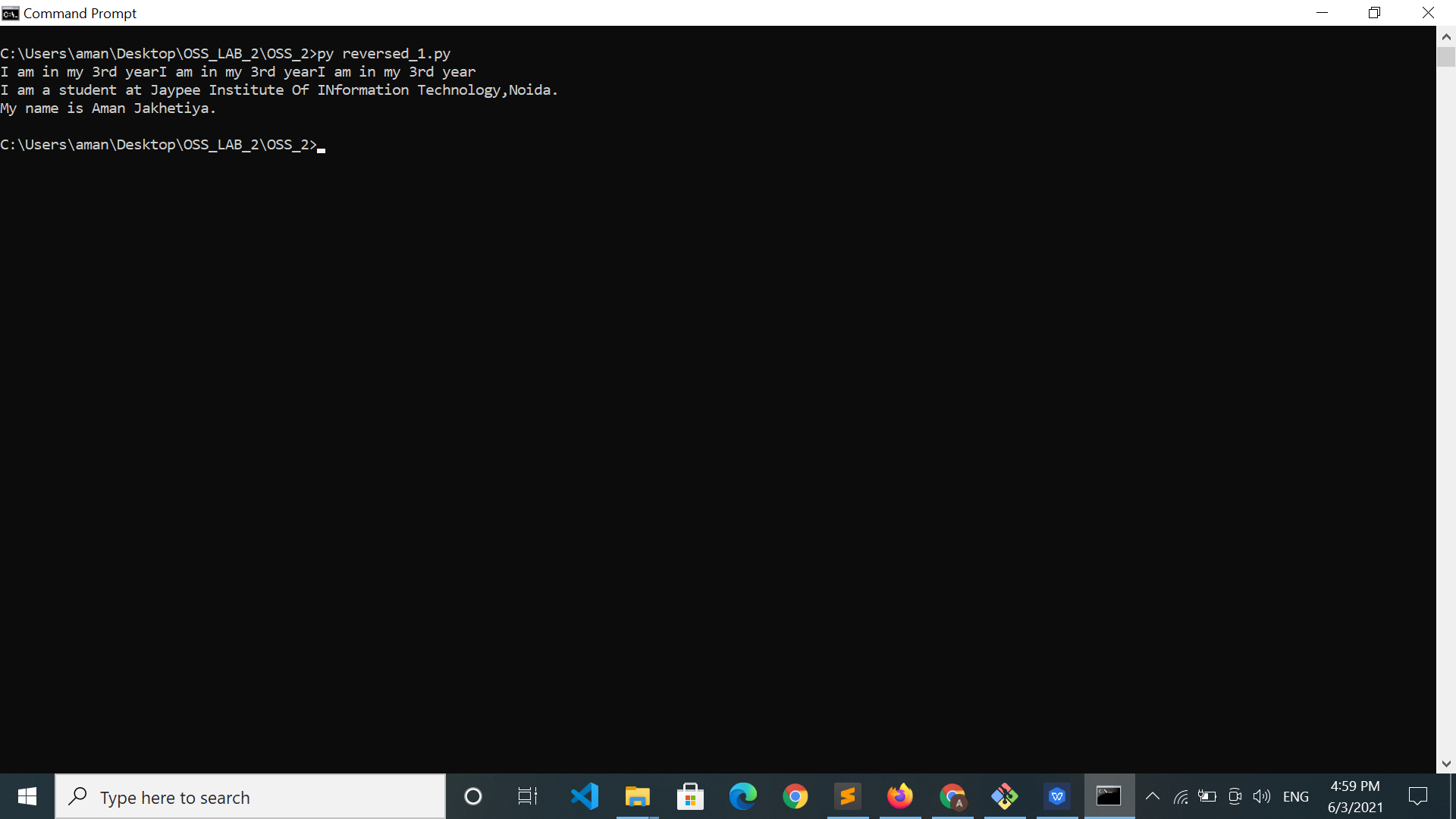
with open('Intro.txt','r') as W:

k=W.readlines()

t=reversed(k)

for i in t:

print(i.rstrip(),end='\n')



**Q9.**

with open('Intro.txt','r') as W:

k=W.readlines()

k = [i.rstrip()[::-1] for i in k]

print(k)

