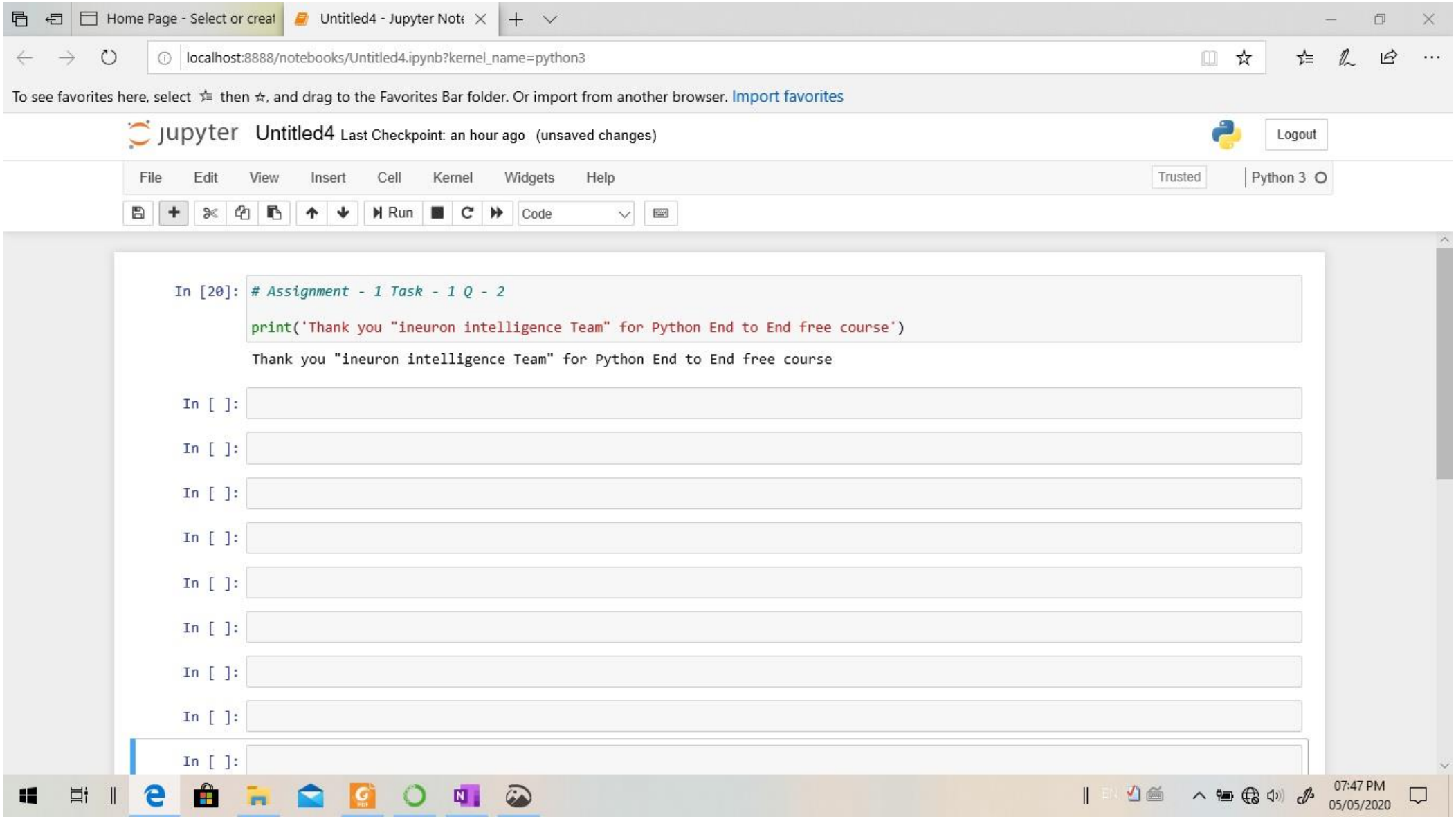
Name: Gopikrishnan T, **Submitted to: ineuron intelligence,** **Assignment – 1 Task – 1 & 2 (All questions)**



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In [ ]:

In [23]:
```
# Assignment - 1 Task - 1 Q - 3

# Get inputs from user for First and Last name as a and b
a = input('Please type your first name___')
b = input('Please type your last name___')

# Print the reversed name
print('Your reversed name is {} {}'.format(b,a))
```

```
Please type your first name___Gopikrishnan
Please type your last name___T
Your reversed name is T Gopikrishnan
```

In [ ]:

In [ ]:

In [ ]:

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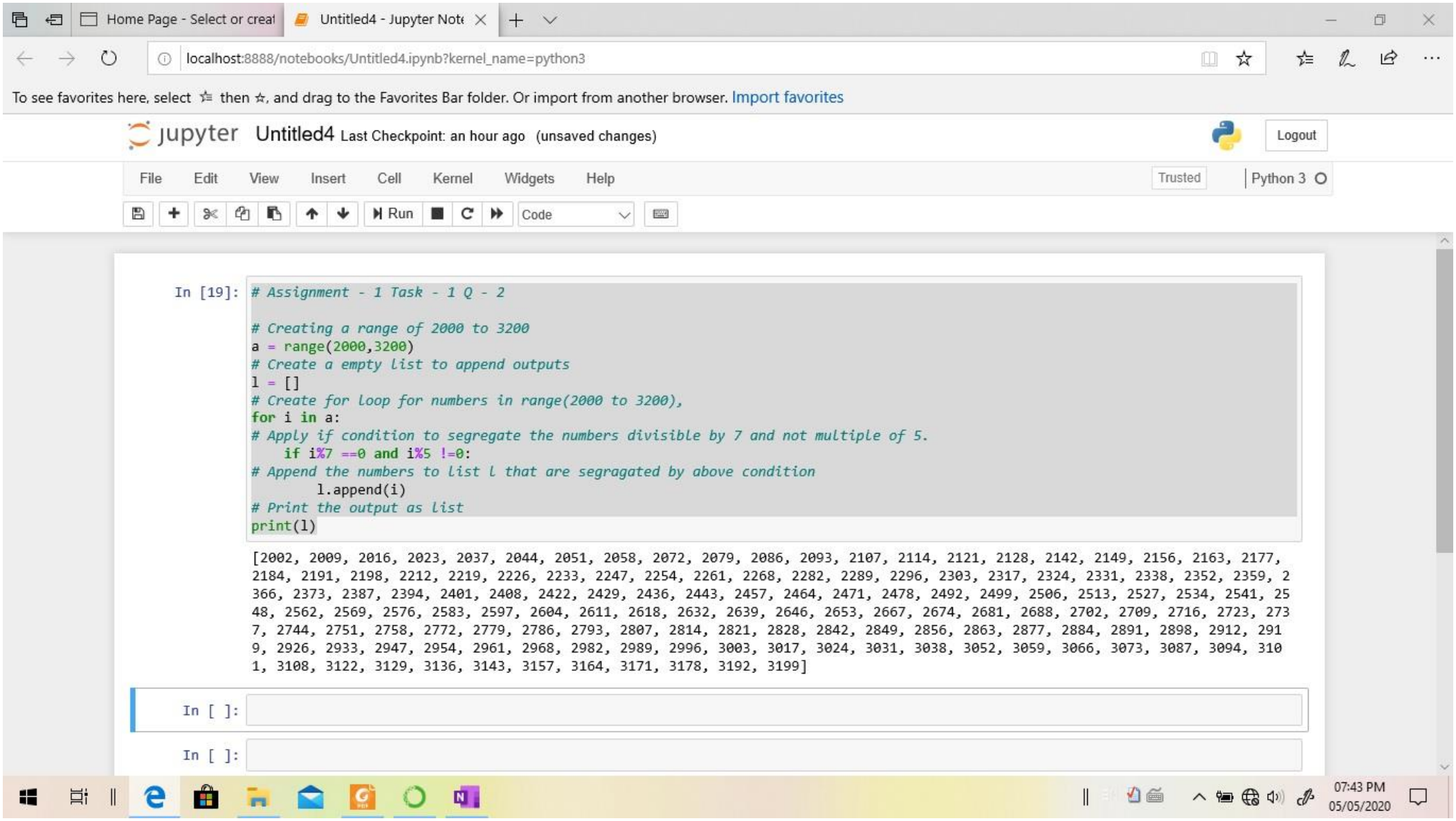
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Code
In [19]:
# Assignment - 1 Task - 1 Q - 2
# Creating a range of 2000 to 3200
a = range(2000,3200)
# Create a empty list to append outputs
l = []
# Create for loop for numbers in range(2000 to 3200),
for i in a:
# Apply if condition to segregate the numbers divisible by 7 and not multiple of 5.
if i%7 ==0 and i%5 !=0:
# Append the numbers to list l that are segragated by above condition
l.append(i)
# Print the output as list
print(l)
[2002, 2009, 2016, 2023, 2037, 2044, 2051, 2058, 2072, 2079, 2086, 2093, 2107, 2114, 2121, 2128, 2142, 2149, 2156, 2163, 2177,
2184, 2191, 2198, 2212, 2219, 2226, 2233, 2247, 2254, 2261, 2268, 2282, 2289, 2296, 2303, 2317, 2324, 2331, 2338, 2352, 2359, 2
366, 2373, 2387, 2394, 2401, 2408, 2422, 2429, 2436, 2443, 2457, 2464, 2471, 2478, 2492, 2499, 2506, 2513, 2527, 2534, 2541, 25
48, 2562, 2569, 2576, 2583, 2597, 2604, 2611, 2618, 2632, 2639, 2646, 2653, 2667, 2674, 2681, 2688, 2702, 2709, 2716, 2723, 273
7, 2744, 2751, 2758, 2772, 2779, 2786, 2793, 2807, 2814, 2821, 2828, 2842, 2849, 2856, 2863, 2877, 2884, 2891, 2898, 2912, 291
9, 2926, 2933, 2947, 2954, 2961, 2968, 2982, 2989, 2996, 3003, 3017, 3024, 3031, 3038, 3052, 3059, 3066, 3073, 3087, 3094, 310
1, 3108, 3122, 3129, 3136, 3143, 3157, 3164, 3171, 3178, 3192, 3199]
In [ ]:
In [ ]:
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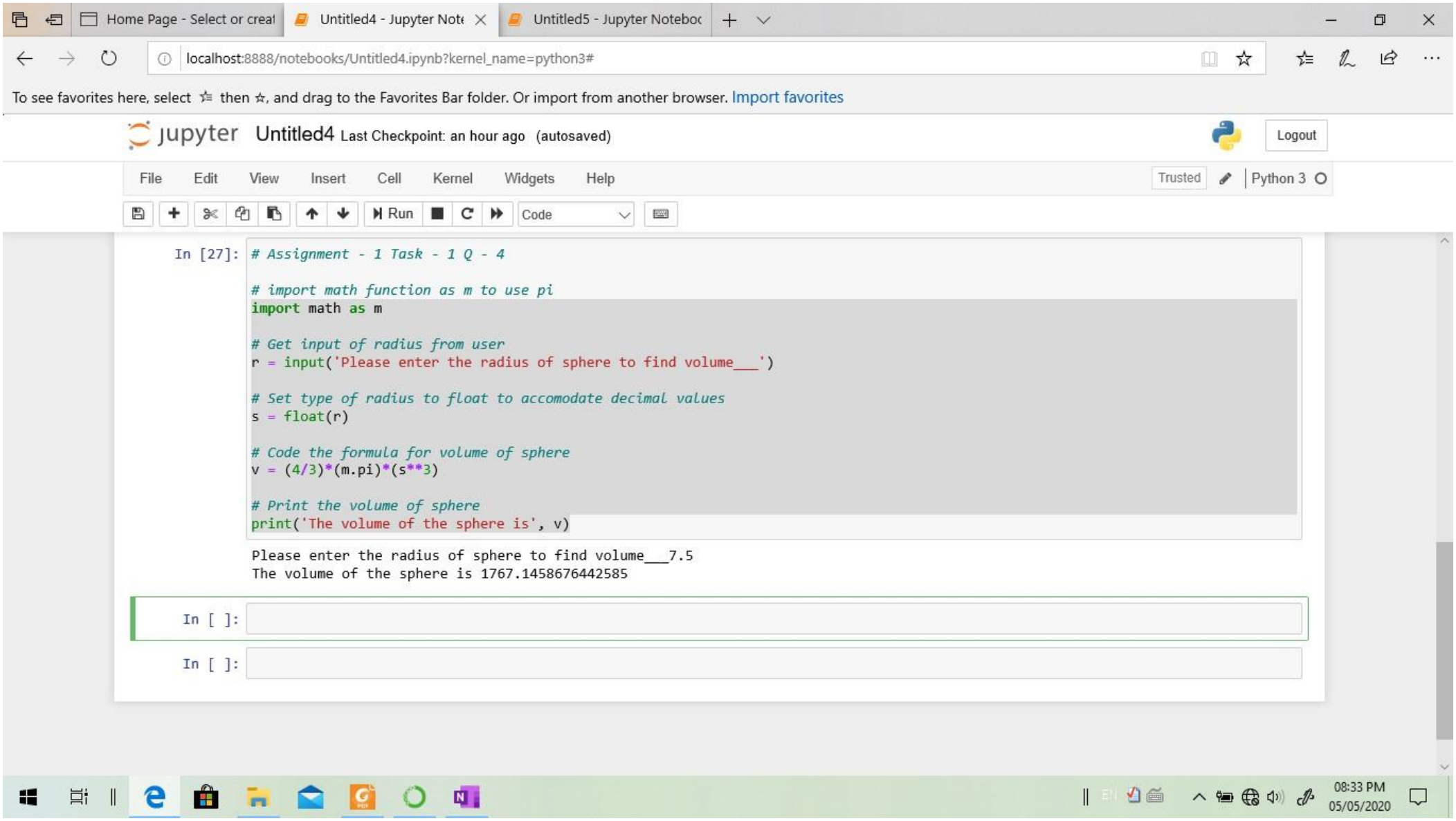
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Python 3
Run
Code
In [27]:
# Assignment - 1 Task - 1 Q - 4
# import math function as m to use pi
import math as m
# Get input of radius from user
r = input('Please enter the radius of sphere to find volume___')
# Set type of radius to float to accomodate decimal values
s = float(r)
# Code the formula for volume of sphere
v = (4/3)*(m.pi)*(s**3)
# Print the volume of sphere
print('The volume of the sphere is', v)
Please enter the radius of sphere to find volume___7.5
The volume of the sphere is 1767.1458676442585
In [ ]:
In [ ]:
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Run Code

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [43]:
```
# Assignment - 1 Task - 2 Q - 3

# Get input of words from user and store it in w
w = input('Please enter a word___')

# Print the words in reversed letter order
print('Reversed letters of input words are:',w[-1: :-1])
```

```
Please enter a word___Daffodils are beautiful flowers
Reversed letters of input words are: srewolf lufituaeb era slidoffaD
```

In [ ]:

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In [38]:
```
# Assignment - 1 Task - 2 Q - 2

# Create for loop
for i in range(5):

# Create nested for loop to iterate ascending triangle, select i+1 in range
    for j in range(i+1):

# Print the character '*' and end will stop printing '*' in the next line
        print('*',end='')

# This print will move to next line
    print()

# Create next for loop to iterate descending triangle, select 4 in range
for i in range(4):

# Create nested for loop to print character '*' in descending order
    for j in range(4-i):

# Print the character '*' and end will stop printing '*' in the next line
        print('*',end='')

# This print will move to next line
    print()
```

```
*
**
***
****
*****
****
***
**
*
```

In [ ]:

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Run | Code

In [ ]:

In [ ]:

In [30]:
```
# Assignment - 1 Task - 2 Q - 1

# Create a empty list
l = []

# Append entered values to list l
l.append(input('Enter Comma separated values to be added to list "l"___'))

# Print the List l
print('List l =', l)
```

```
Enter Comma separated values to be added to list "l"___1,2,3,4,5,6,7,8,9,10,11,22,33,44,55,66,77,88,99
List l = ['1,2,3,4,5,6,7,8,9,10,11,22,33,44,55,66,77,88,99']
```

In [ ]:

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In [ ]:

In [ ]:

In [ ]:

In [13]:
```
# Assignment - 1 Task - 2 Q - 4

print('WE, THE PEOPLE OF INDIA,')
g = ' '*5
print('%s having solemnly resolved to constitute India into a SOVEREIGN,!' % g)
g1 = ' '*12
print('%s SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC' % g1)
g2 = ' '*13
print('%s and to secure to all its citizens' % g2)
```

```
WE, THE PEOPLE OF INDIA,
      having solemnly resolved to constitute India into a SOVEREIGN,!
            SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
             and to secure to all its citizens
```

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