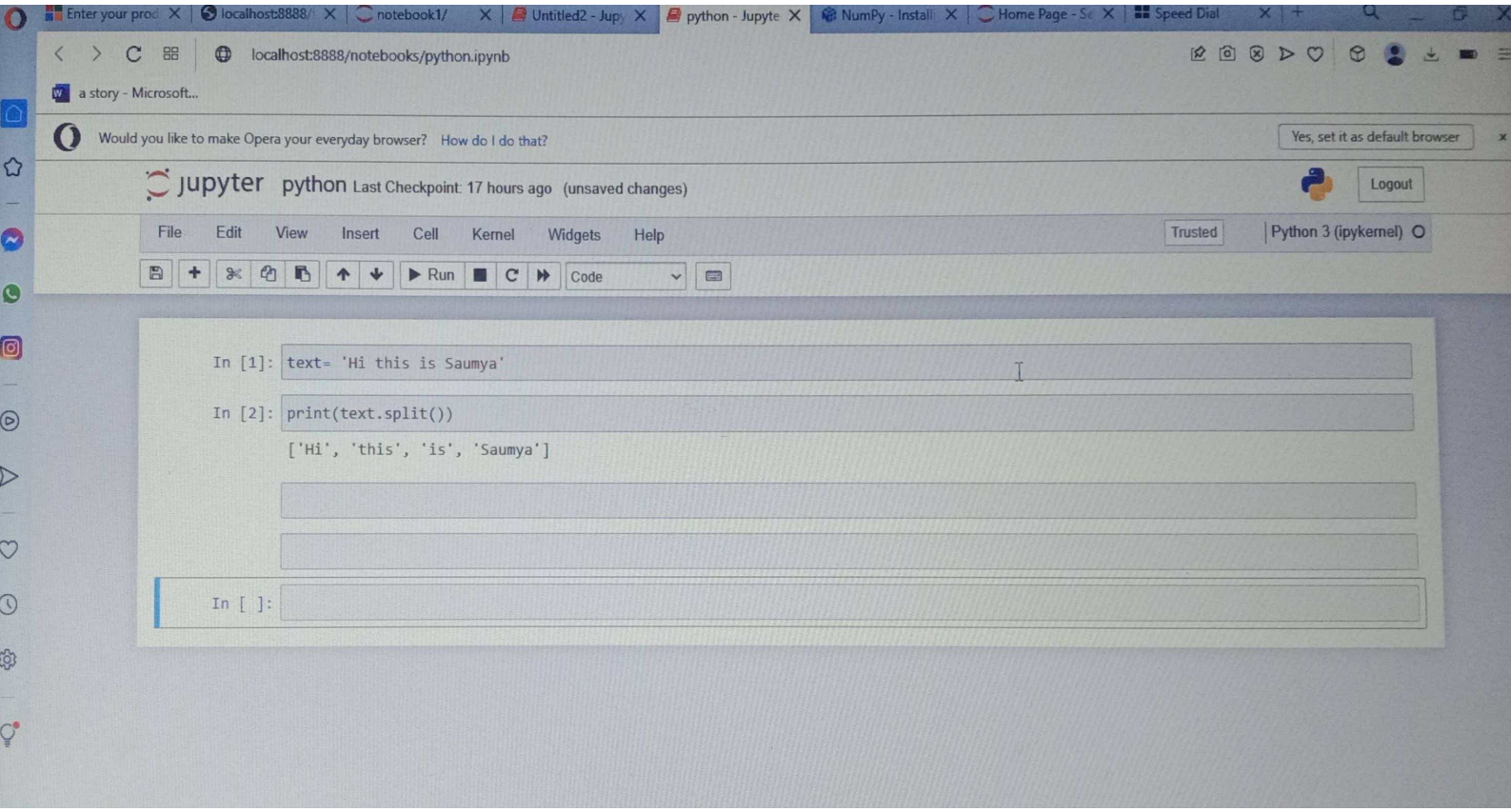

Enter your prod
localhost:8888/
notebook1/
Untitled2 - Jupy
python - Jupyte
NumPy - Install
Home Page - Se
Speed Dial
localhost:8888/notebooks/python.ipynb
a story - Microsoft...
Would you like to make Opera your everyday browser? How do I do that?
Yes, set it as default browser
jupyter python Last Checkpoint: 17 hours ago (unsaved changes)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3 (ipykernel)
Run
Code
In [1]: text= 'Hi this is Saumya'
In [2]: print(text.split())
['Hi', 'this', 'is', 'Saumya']
In [ ]:

```
In [6]: from datetime import datetime

In [7]: time=datetime.now()

In [8]: print("without formatting",time)
        without formatting 2022-09-21 09:45:49.619246

In [5]: print("After formatting:",time.strftime("%b,%d,%Y"))
        After formatting: Sep,21,2022

In [ ]:

In [ ]:
```

```
After formatting: Sep,21,2022
```

In [5]:
```
import pandas as pd
```

In [9]:
```
data=[['CENTRAL',10], ['BUREAU',15], ['INVESTIGATION',20]]
```

In [10]:
```
df=pd.DataFrame(data,columns=['NAME','AGE'])
```

In [12]:
```
print (df)
```

```
           NAME  AGE
0       CENTRAL   10
1        BUREAU   15
2  INVESTIGATION   20
```

In [ ]:

In [13]:
```
arr1=[]
```

In [15]:
```
for i in range(0,10):
    arr1.append(0)
```

In [16]:
```
print(arr1)
```

```
[0, 0, 0, 0, 0, 0, 0, 0, 0, 0]
```

In [ ]:

In [17]:
```
import numpy as np
```

In [18]:
```
array=np.zeros(10)
```

In [19]:
```
print("an array of 10 zeros:")
```

```
an array of 10 zeros:
```

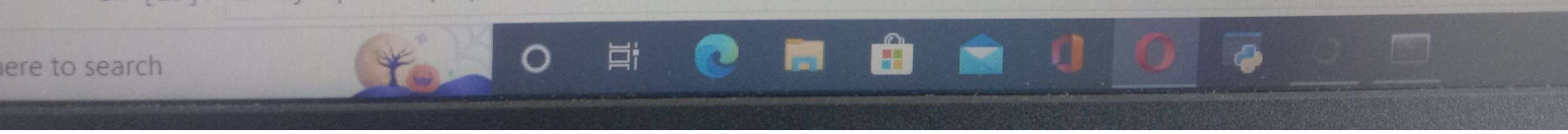
In [20]:
```
print(array)
```

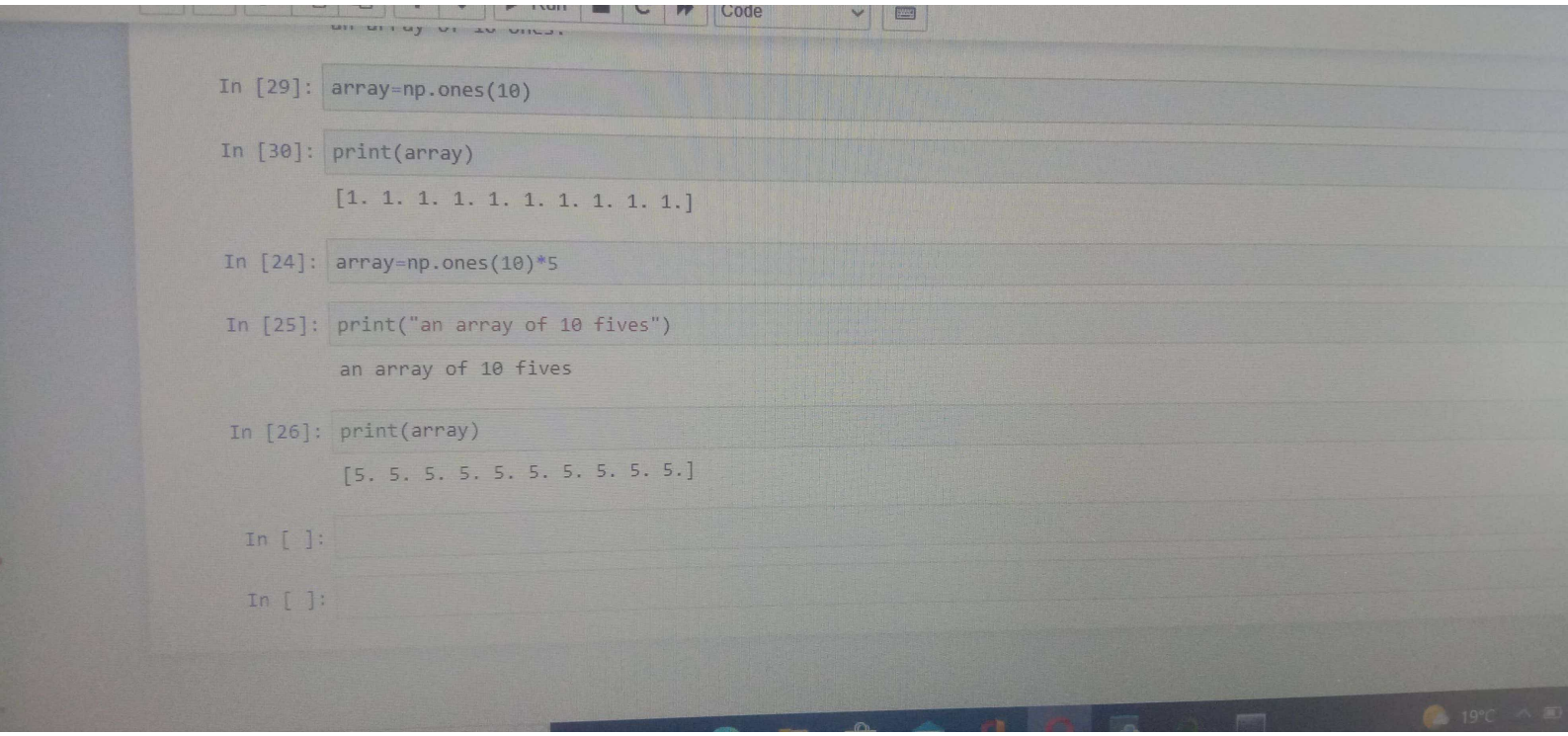
```
[0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
```

In [28]:
```
print("an array of 10 ones:")
```

```
an array of 10 ones:
```

In [29]:
```
array=np.ones(10)
```




Code
In [29]: array=np.ones(10)
In [30]: print(array)
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
In [24]: array=np.ones(10)*5
In [25]: print("an array of 10 fives")
an array of 10 fives
In [26]: print(array)
[5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
In [ ]:
In [ ]:

```
[5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
```

In [33]:
```
import numpy as np
```

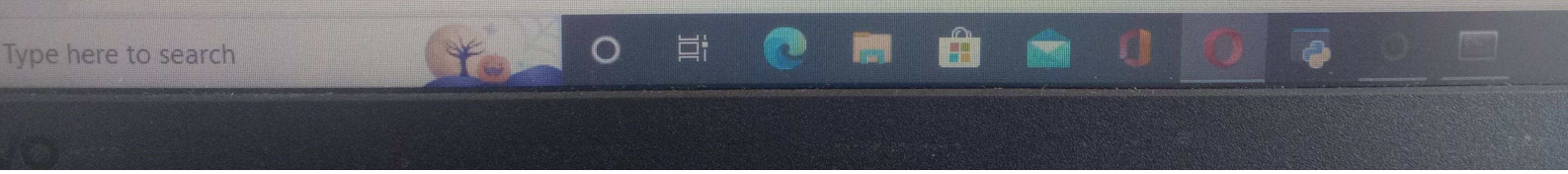
In [35]:
```
array=np.arange(30,71,2)
```

```
print("array of all the even numbers from 30 to 70")
```

In [36]:
```
print(array)
```

```
[30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70]
```

In [ ]:

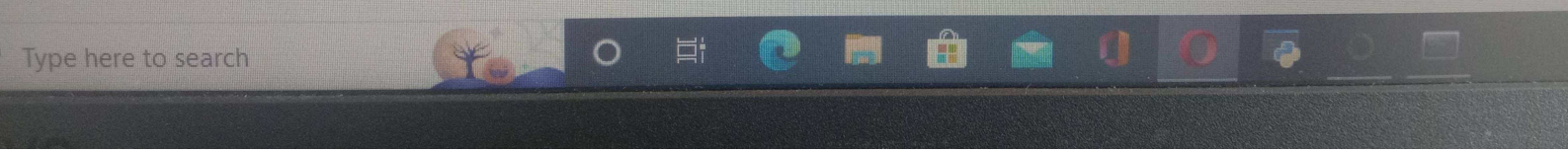


```
In [37]: import numpy as np

In [38]: x=np.arange(2,11).reshape(3,3)

In [39]: print(x)
[[ 2  3  4]
 [ 5  6  7]
 [ 8  9 10]]

In [ ]:
```



```
[30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70]
```

In [37]:
```
import numpy as np
```

In [38]:
```
x=np.arange(2,11).reshape(3,3)
```

In [39]:
```
print(x)
```

```
[[ 2  3  4]
 [ 5  6  7]
 [ 8  9 10]]
```

In [ ]:

Type here to search

In [55]:
```
import numpy as np
```

In [56]:
```
arr1= np.array([[2,4],[6,8]])
```

In [57]:
```
arr2= np.array([[3,5],[7,9]])
```

In [58]:
```
gfg=np.concatenate((arr1,arr2),axis=0)
```

In [59]:
```
print(gfg)
```

```
[[2 4]
 [6 8]
 [3 5]
 [7 9]]
```