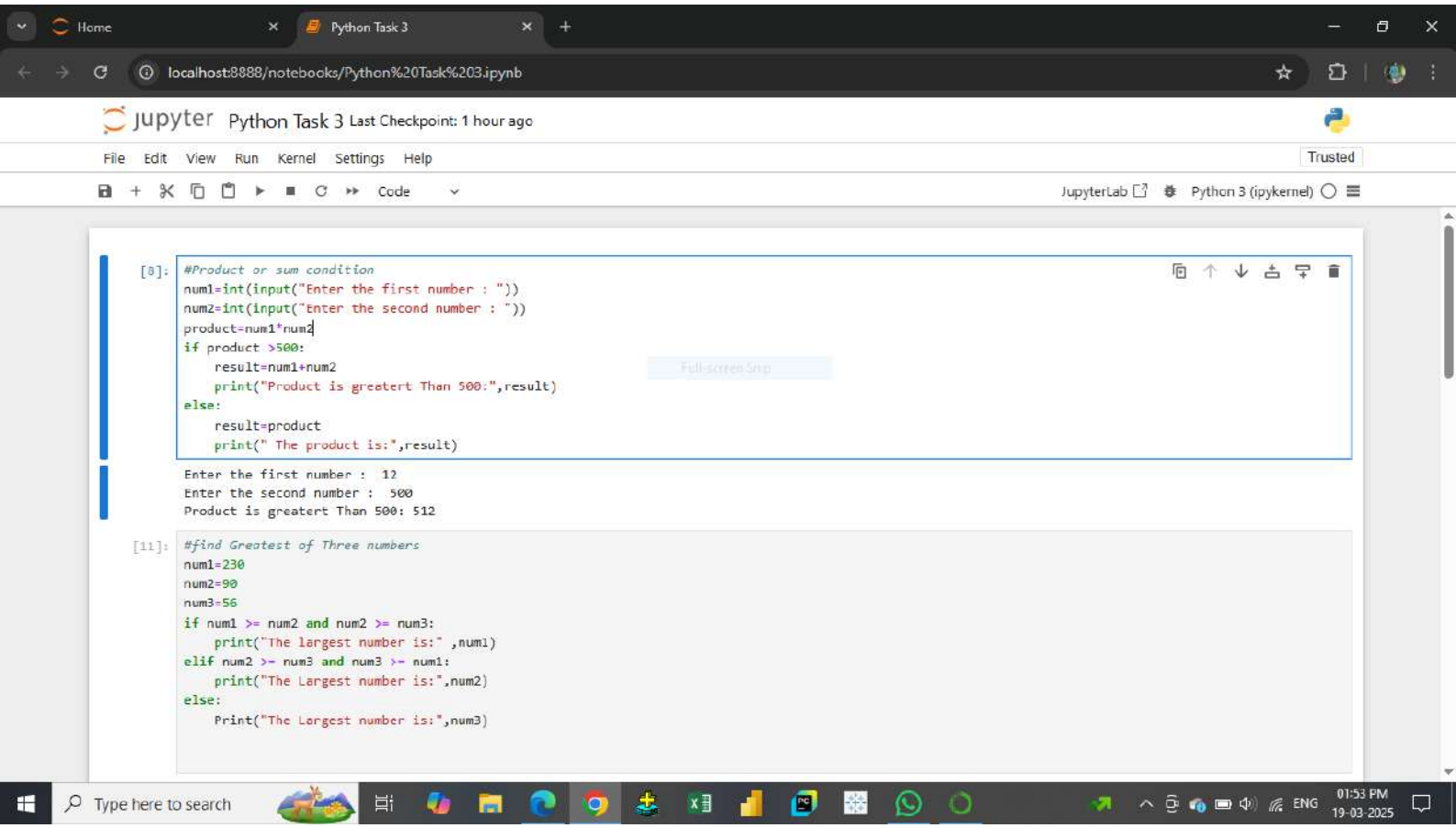

Home
Python Task 3
localhost:8888/notebooks/Python%20Task%203.ipynb
jupyter Python Task 3 Last Checkpoint: 1 hour ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)
[8]:
#Product or sum condition
num1=int(input("Enter the first number : "))
num2=int(input("Enter the second number : "))
product=num1*num2
if product >500:
result=num1+num2
print("Product is greatert Than 500:",result)
else:
result=product
print(" The product is:",result)
Enter the first number : 12
Enter the second number : 500
Product is greatert Than 500: 512
[11]:
#find Greatest of Three numbers
num1=230
num2=90
num3=56
if num1 >= num2 and num2 >= num3:
print("The largest number is:" ,num1)
elif num2 >= num3 and num3 >= num1:
print("The Largest number is:",num2)
else:
Print("The Largest number is:",num3)
Type here to search
ENG
01:53 PM
19-03-2025

Home | Python Task 3

localhost:8888/notebooks/Python%20Task%203.ipynb

jupyter Python Task 3 Last Checkpoint: 1 hour ago

File Edit View Run Kernel Settings Help

Trusted

Code

JupyterLab Python 3 (ipykernel)

The largest number is: 256

[1]:
```
#remove Duplicate item from list
check_list = [10, 20, 30, 40, 50, 50, 50, 60, 70, 90]
remove_duplicate = list(set(check_list))
print("List after removing duplicates:", remove_duplicate)
```

```
List after removing duplicates: [70, 40, 10, 50, 20, 90, 60, 30]
```

[4]:
```
# remove and replace the element
# Input list and number to remove
nums = [3, 2, 2, 3]
remove = 3
result = [num for num in nums if num != remove]
result.extend(["_"] * (len(nums) - len(result)))
print("nums =", result)
```

```
nums = [2, 2, '_', '_']
```

[8]:
```
#check duplicte in a list
num1 = [1,2,3,1]
num2 = [1,2,3,4]
duplicates = len(num1) != len(set(num2))
if duplicates:
    print("Check whether any number apears more than once:",duplicates)
else:
    print("Check whether any number apears more than once:",duplicates)
```

Type here to search

ENG 01:53 PM 19-03-2025

Home | Python Task 3

localhost:8888/notebooks/Python%20Task%203.ipynb

jupyter Python Task 3 Last Checkpoint: 1 hour ago

File Edit View Run Kernel Settings Help

Trusted

Code

JupyterLab Python 3 (ipykernel)

```
else:
    print("Check whether any number apears more than once:",duplicates)
```

```
Check whether any number apears more than once: False
```

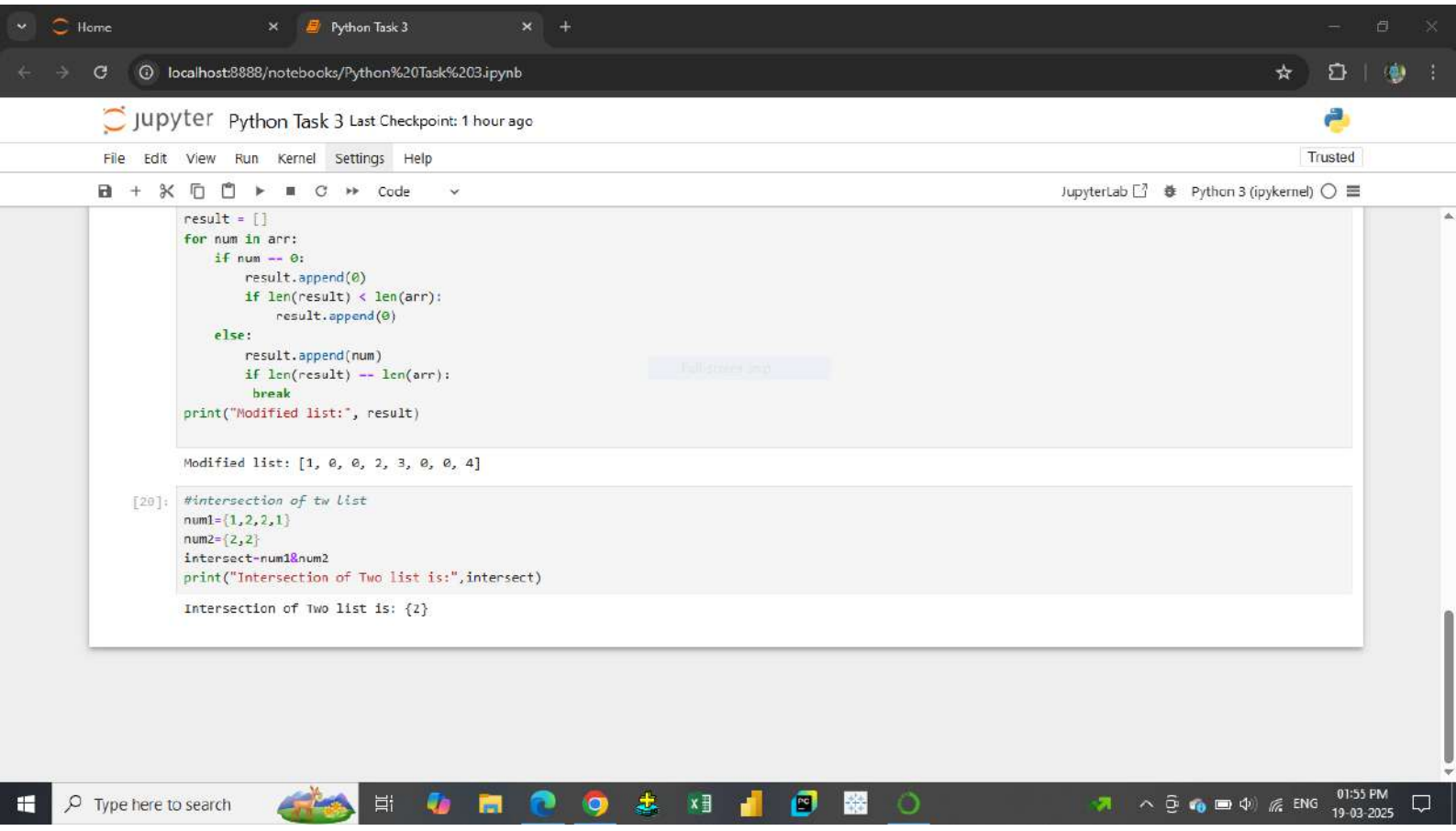
[10]:
```
#repeatedly sum digits until a single digit is obtaines
num = int(input("Enter a number: "))
while num >= 10:
    num = sum(int(digit) for digit in str(num))
print("The single digit result is:", num)
```

```
Enter a number:  38
The single digit result is: 2
```

[17]:
```
#duplicate each occuance of zer in a list
arr = [1, 0, 2, 3, 0, 4, 5, 0]
result = []
for num in arr:
    if num == 0:
        result.append(0)
        if len(result) < len(arr):
            result.append(0)
    else:
        result.append(num)
        if len(result) == len(arr):
         break
print("Modified list:", result)
```

Type here to search

ENG 01:54 PM 19-03-2025


Home
Python Task 3
localhost:8888/notebooks/Python%20Task%203.ipynb
jupyter Python Task 3 Last Checkpoint: 1 hour ago
File Edit View Run Kernel Settings Help
Trusted
Code
JupyterLab
Python 3 (ipykernel)
result = []
for num in arr:
if num == 0:
result.append(0)
if len(result) < len(arr):
result.append(0)
else:
result.append(num)
if len(result) == len(arr):
break
print("Modified list:", result)
Modified list: [1, 0, 0, 2, 3, 0, 0, 4]
[20]:
#intersection of tw list
num1={1,2,2,1}
num2={2,2}
intersect=num1&num2
print("Intersection of Two list is:",intersect)
Intersection of Two list is: {2}