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Logout

Menu | Python 3 (ipykernel)

Kernel starting, please wait... Trusted

Run Code

In [25]:

```
2. #Reverse of a list

list1 = [100, 200, 300, 400, 500]
list1.reverse()
print(list1)
```

```
[500, 400, 300, 200, 10
0]
```

In [8]:

```
4. #square of 5

n = 5
square = n * n
print(square)
```

```
25
```

In [1]:

```
5. #sum of all items in a dictionary
```

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Run Code

In [1]:

```
5. #sum of all items in a dictionary

def returnSum(myDict):

    list = []
    for i in myDict:
        list.append(myDict[i])
    final = sum(list)

    return final
dict = {'a': 100, 'b': 200, 'c': 300}
print("Sum :", returnSum(dict))
```

```
Sum : 600
```

In [13]:

```
6. #current year, month and day.

from datetime import date

# creating the date obday's date
todays_date = date.today()

# printing todays date

# fetching the current year, month an
```

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In [13]:

```
6. #current year, month and day.

from datetime import date

# creating the date obday's date
todays_date = date.today()

# printing todays date

# fetching the current year, month an
print("Current year:", todays_date.ye
print("Current month:", todays_date.m
print("Current day:", todays_date.day
```

```
Current year: 2022
Current month: 12
Current day: 11
```

In [19]:

```
7. #to construct the pattern

n=5;
for i in range(n):
    for j in range(i):
        print ('* ', end="")
    print('')
```

In [19]:

```
7. #to construct the pattern

n=5;
for i in range(n):
    for j in range(i):
        print ('* ', end="")
    print('')
for i in range(n,0,-1):
    for j in range(i):
        print('* ', end="")
    print('')
```

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

In [21]:

```
9. #duplicate items from a list
```

In [21]:

```
9. #duplicate items from a list


lis = [10, 20, 60, 30, 20, 40, 30, 60

uniqueList = []
duplicateList = []

for i in lis:
    if i not in uniqueList:
        uniqueList.append(i)
    elif i not in duplicateList:
        duplicateList.append(i)

print(duplicateList)
```

```
[20, 30, 60]
```

In [3]:

```
12. #Modify the element of a nested l

list1 = [5, [10, 15, [20, 25, [30, 35
# modify item
list1[1][2][2][1] = 3500
# print final result
```

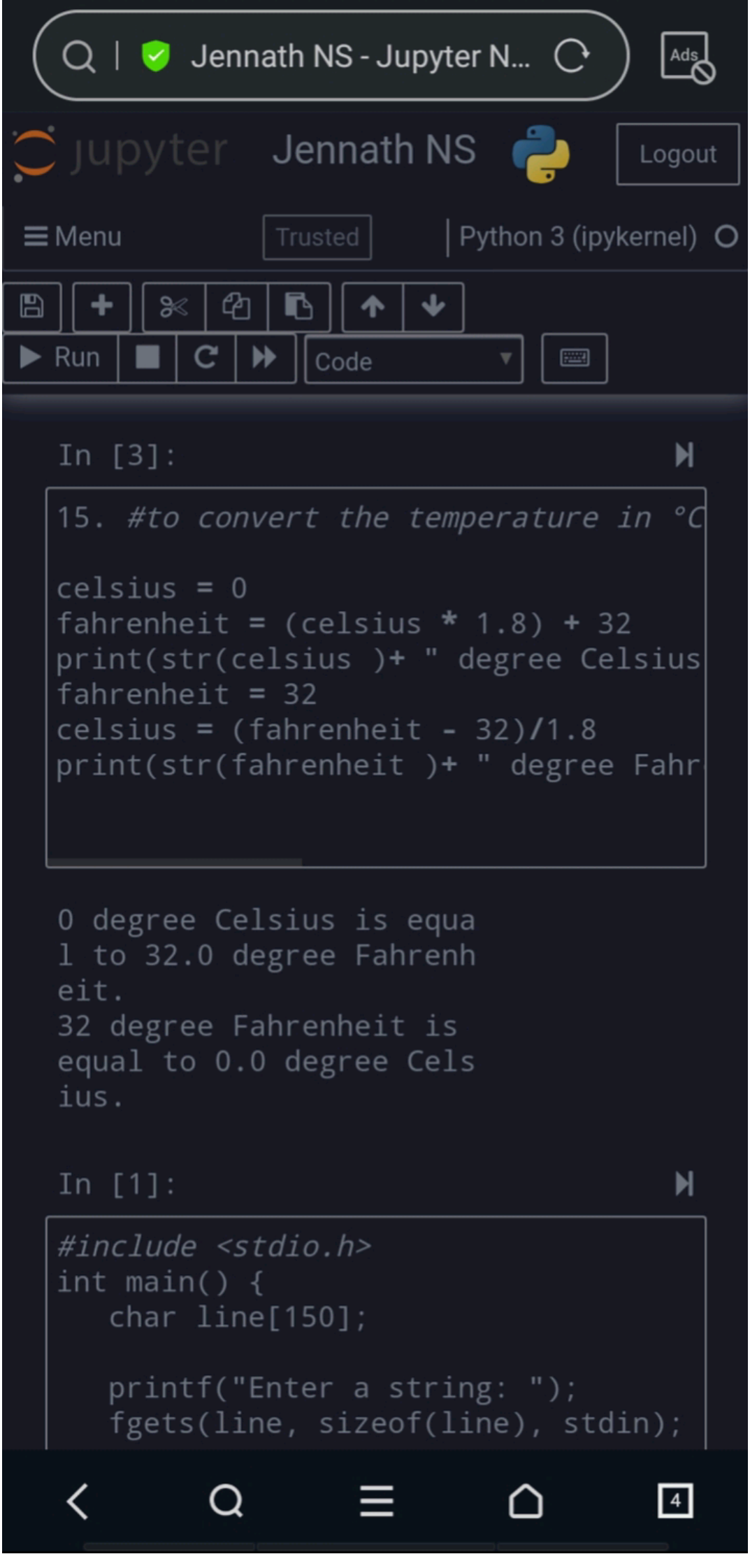
In [3]:

```
12. #Modify the element of a nested l

list1 = [5, [10, 15, [20, 25, [30, 35
# modify item
list1[1][2][2][1] = 3500
# print final result
print(list1)
# print(list1[1]) = [10, 15, [20, 25,
# print(list1[1][2]) = [20, 25, [30,
# print(list1[1][2][2]) = [30, 40]
# print(list1[1][2][2][1]) = 40
```

```
[5, [10, 15, [20, 25, [3
0, 3500], 40], 45], 50]
```

In [3]:

```
15. #to convert the temperature in °C

celsius = 0
fahrenheit = (celsius * 1.8) + 32
print(str(celsius )+ " degree Celsius
fahrenheit = 32
celsius = (fahrenheit - 32)/1.8
print(str(fahrenheit )+ " degree Fahr
```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Code
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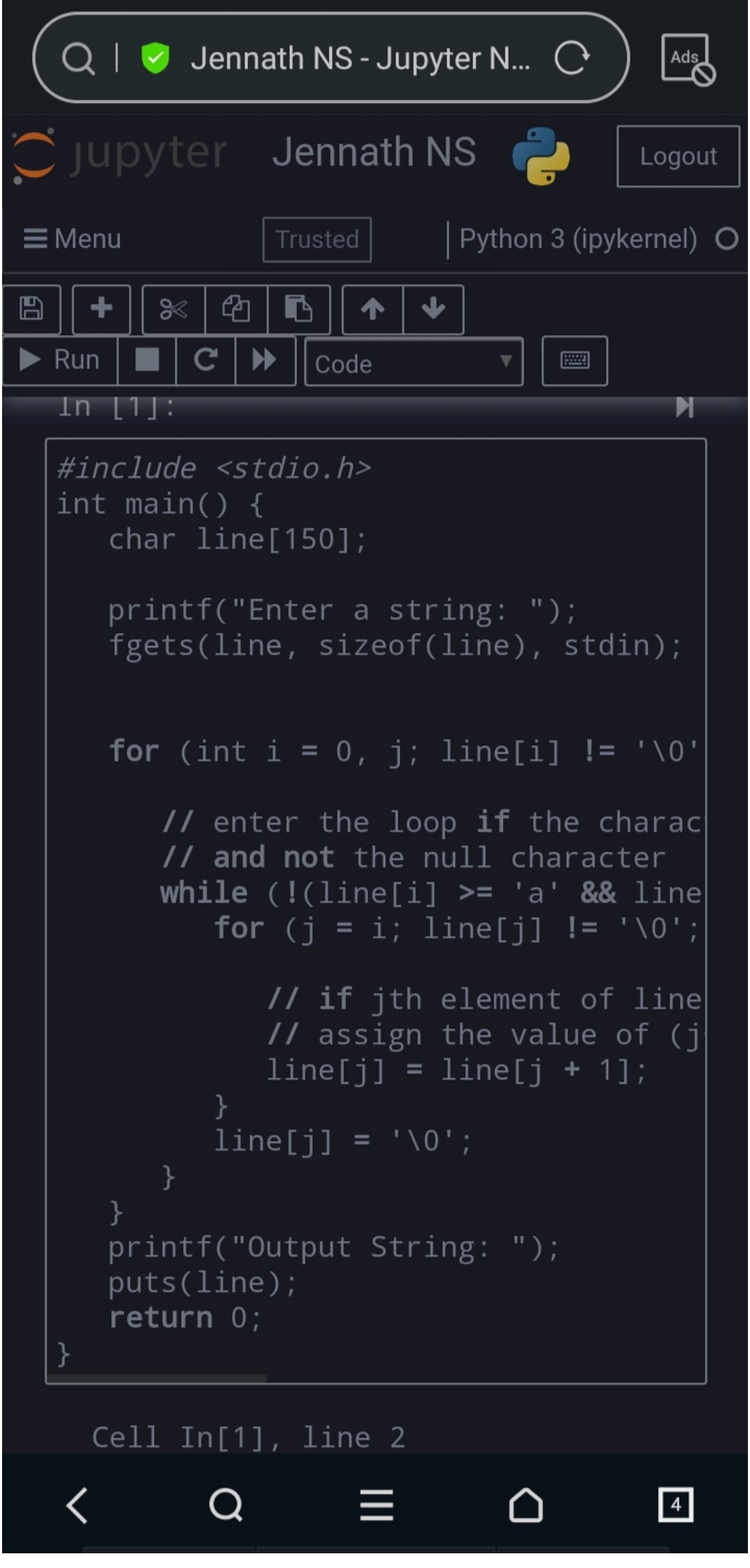
0 degree Celsius is equa
l to 32.0 degree Fahrenh
eit.
32 degree Fahrenheit is
equal to 0.0 degree Cels
ius.
In [1]:
#include <stdio.h>
int main() {
char line[150];
printf("Enter a string: ");
fgets(line, sizeof(line), stdin);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Code
In [1]:
#include <stdio.h>
int main() {
char line[150];
printf("Enter a string: ");
fgets(line, sizeof(line), stdin);
for (int i = 0, j; line[i] != '\0'
// enter the loop if the charac
// and not the null character
while (!(line[i] >= 'a' && line
for (j = i; line[j] != '\0';
// if jth element of line
// assign the value of (j
line[j] = line[j + 1];
}
line[j] = '\0';
}
}
printf("Output String: ");
puts(line);
return 0;
}
Cell In[1], line 2
4

In [1]:

```
def eve(a):
  a.capitalize()
  d=len(a)
  for i in range(0,d,2):
    print('the character at %d is %c'
a=input('Enter a sentence')
print(eve(a))
print('END TASK')
```

```
Enter a sentenceJe_#-n
n:;a.,th122
the character at 0 is J
the character at 2 is _
the character at 4 is -
the character at 6 is n
the character at 8 is ;
the character at 10 is .
the character at 12 is t
the character at 14 is 1
the character at 16 is 2
None
END TASK
```