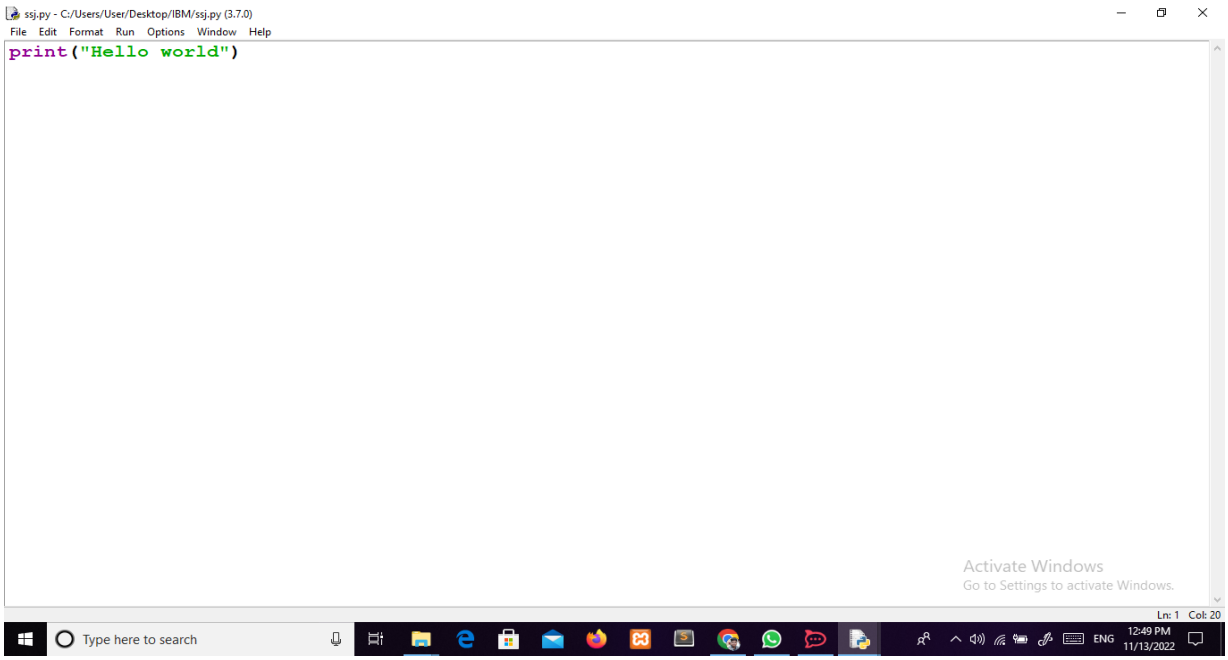
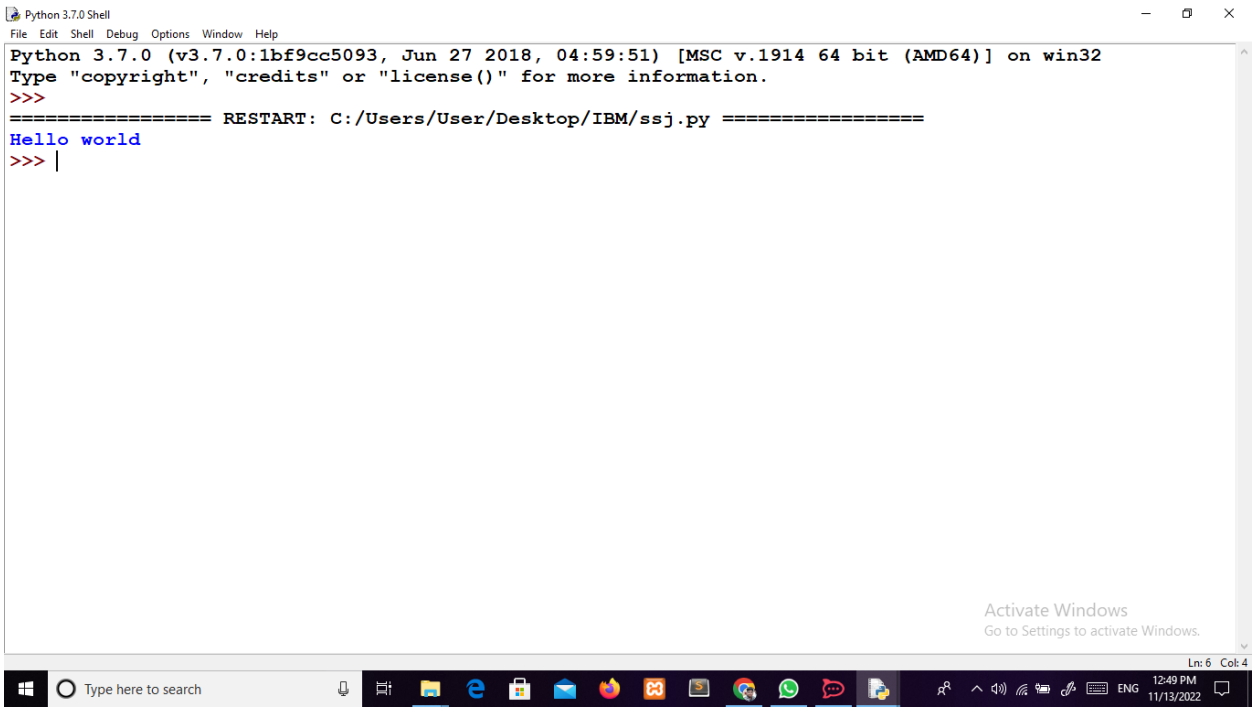
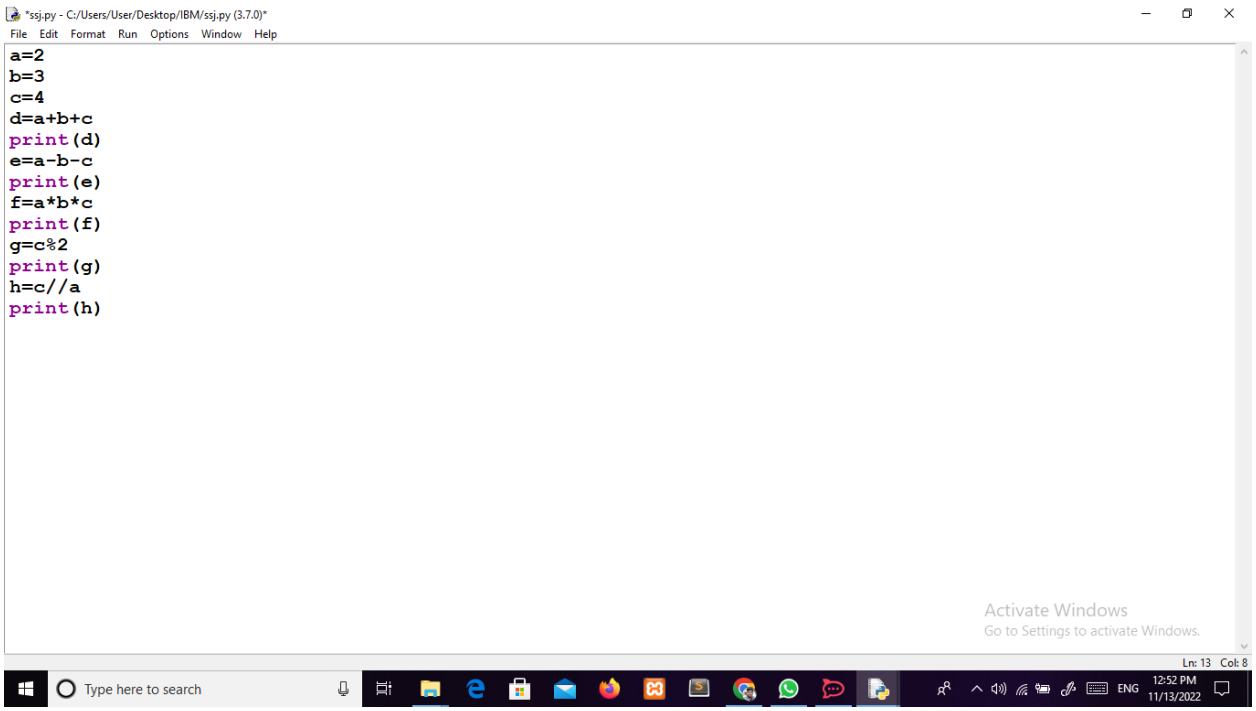
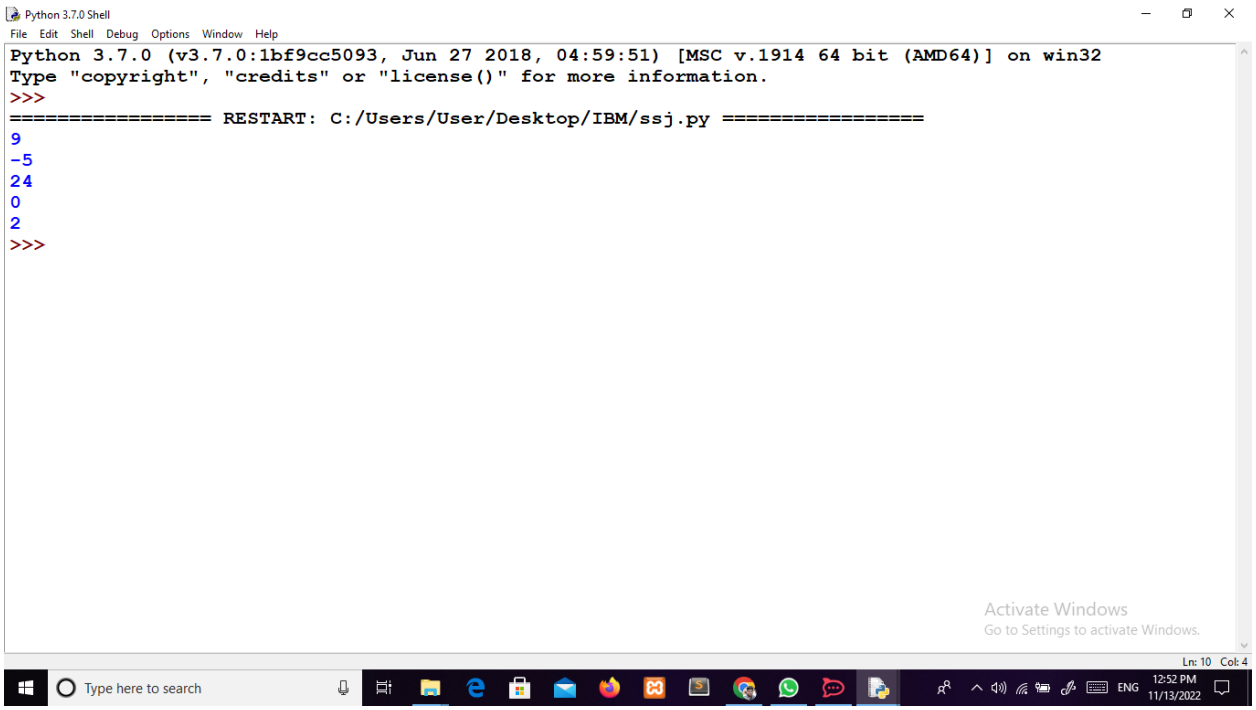
Develop the Python Script

Team ID	**PNT2022TMID44989**
Project Name	**Real-Time River Water Quality Monitoring and Control System**






ssj.py - C:/Users/User/Desktop/IBM/ssj.py (3.7.0)
File Edit Format Run Options Window Help
a=2
b=3
c=4
d=a+b+c
print(d)
e=a-b-c
print(e)
f=a*b*c
print(f)
g=c%2
print(g)
h=c//a
print(h)
Activate Windows
Go to Settings to activate Windows.
Ln: 13 Col: 8
Type here to search
ENG
12:52 PM
11/13/2022


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/User/Desktop/IBM/ssj.py ==========
9
-5
24
0
2
>>>
Activate Windows
Go to Settings to activate Windows.
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ENG
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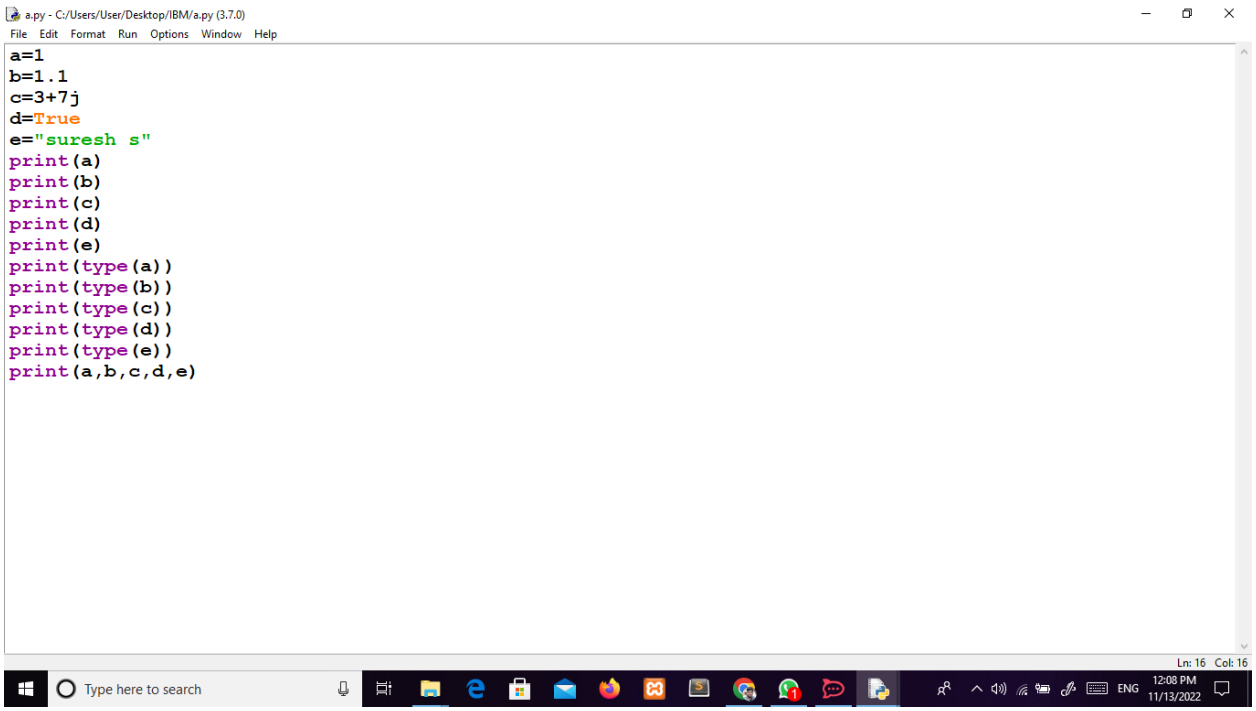
a.py - C:/Users/User/Desktop/IBM/a.py (3.7.0)
File Edit Format Run Options Window Help
a=1
b=1.1
c=3+7j
d=True
e="suresh s"
print(a)
print(b)
print(c)
print(d)
print(e)
print(type(a))
print(type(b))
print(type(c))
print(type(d))
print(type(e))
print(a,b,c,d,e)
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ENG
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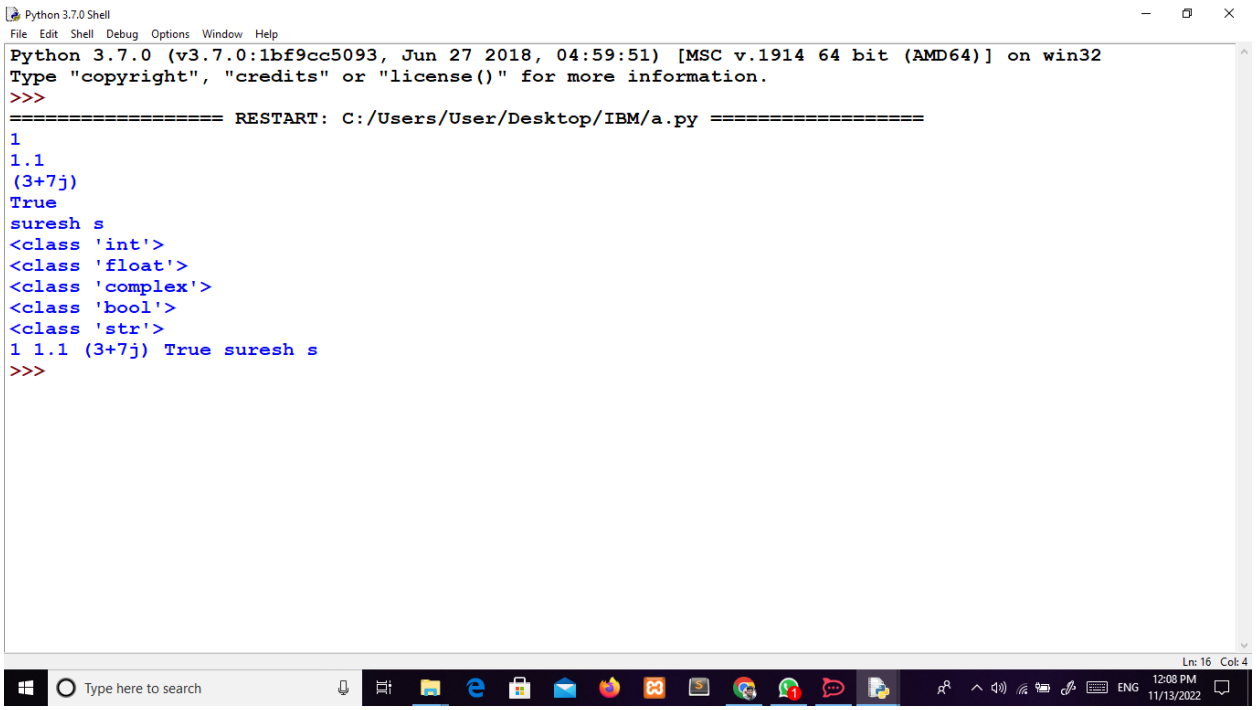
11/13/2022


Python 3.7.0 Shell
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Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/User/Desktop/IBM/a.py ==========
1
1.1
(3+7j)
True
suresh s
<class 'int'>
<class 'float'>
<class 'complex'>
<class 'bool'>
<class 'str'>
1 1.1 (3+7j) True suresh s
>>>
Ln: 16 Col: 4
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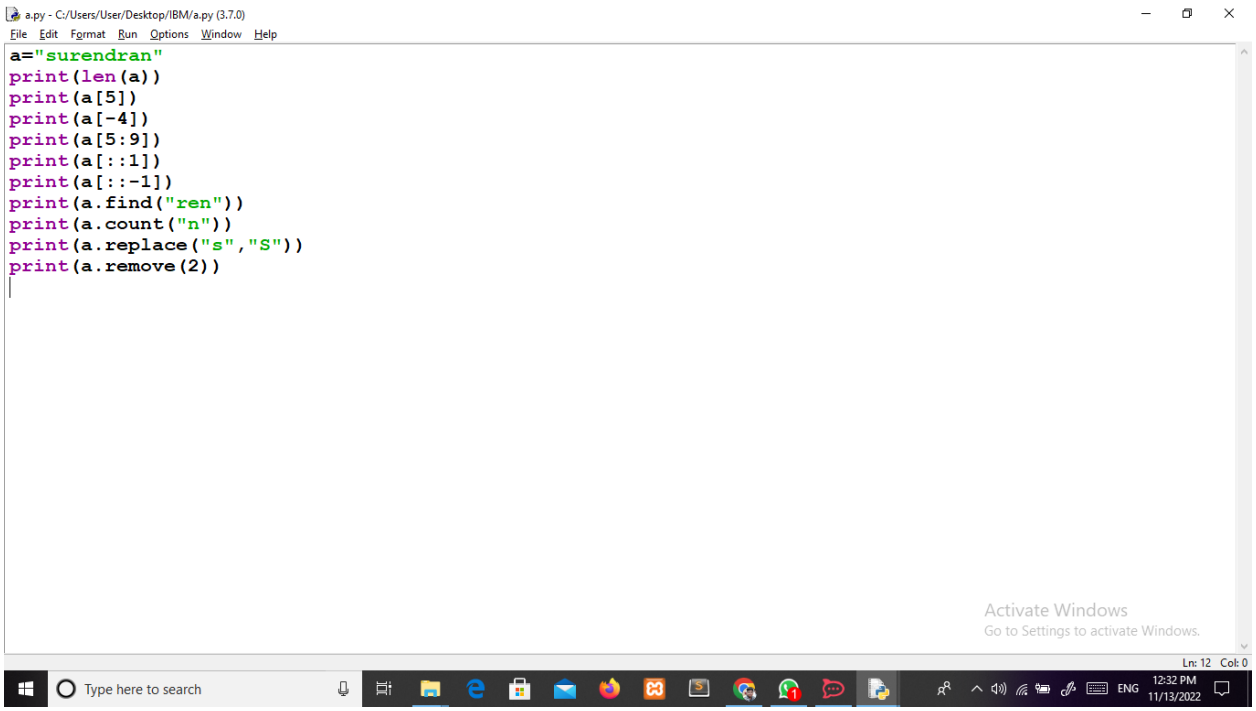
11/13/2022


a.py - C:/Users/User/Desktop/IBM/a.py (3.7.0)
File Edit Format Run Options Window Help
a="surendran"
print(len(a))
print(a[5])
print(a[-4])
print(a[5:9])
print(a[::1])
print(a[::-1])
print(a.find("ren"))
print(a.count("n"))
print(a.replace("s","S"))
print(a.remove(2))
Activate Windows
Go to Settings to activate Windows.
Ln: 12 Col: 0
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ENG
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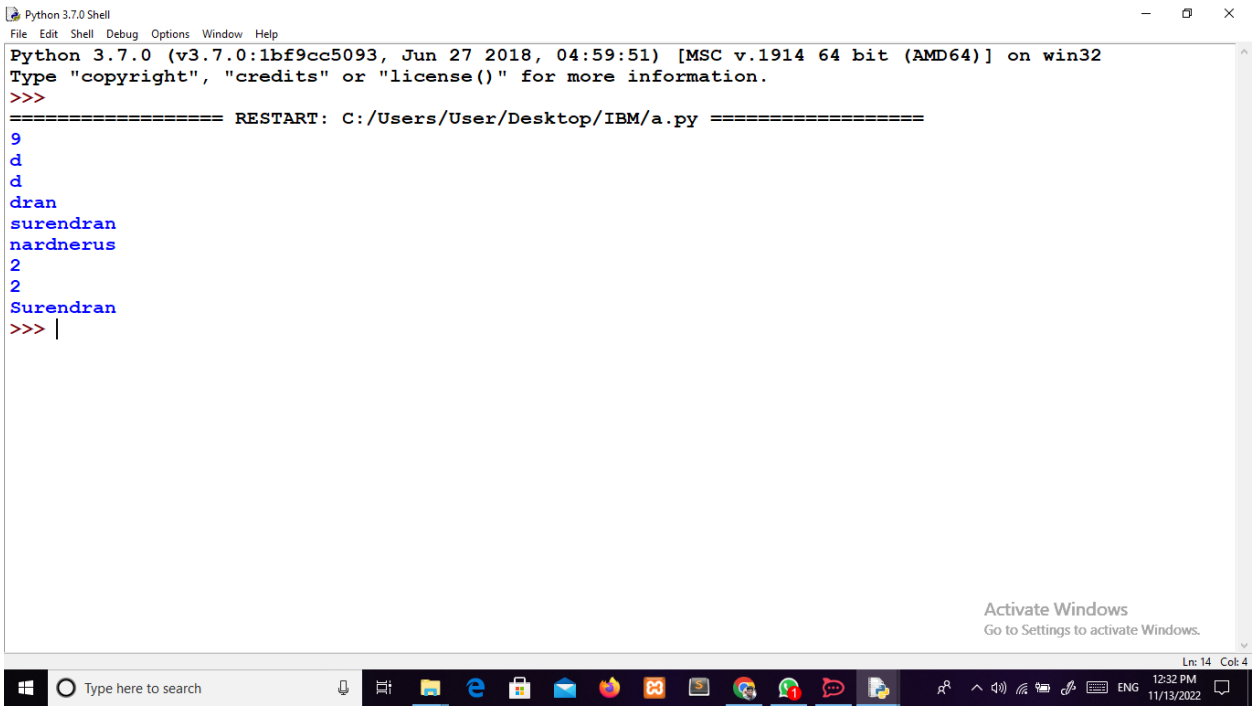
11/13/2022


Python 3.7.0 Shell
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Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/User/Desktop/IBM/a.py ==========
9
d
d
dran
surendran
nardnerus
2
2
Surendran
>>>
Activate Windows
Go to Settings to activate Windows.
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Type here to search
ENG
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a.py - C:/Users/User/Desktop/IBM/a.py (3.7.0)

File Edit Format Run Options Window Help

```
a={
    "s1" : {
     "Name" : "Surendran",
     "Degree" : "B.E.",
     "Dept.": "ECE",
     "year" : "Final year",
     "College" : "IGCE"},
    "s2" : {
     "Name" : "Yogendran",
     "Degree" : "B.Sc.",
     "Dept.": "Computer Science",
     "year" : "2nd year",
     "College" : "BHC"
     }
     }
print(a)
print(type(a))
print(a["s2"])
print(a["s1"]["Name"])
print(a["s2"]["Name"])
```

Activate Windows
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Type here to search

ENG 12:45 PM 11/13/2022

Python 3.7.0 Shell

File Edit Shell Debug Options Window Help

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/User/Desktop/IBM/a.py ==========
{'s1': {'Name': 'Surendran', 'Degree': 'B.E.', 'Dept.': 'ECE', 'year': 'Final year', 'College': 'IGCE'
}, 's2': {'Name': 'Yogendran', 'Degree': 'B.Sc.', 'Dept.': 'Computer Science', 'year': '2nd year', 'Co
llege': 'BHC'}}
<class 'dict'>
{'Name': 'Yogendran', 'Degree': 'B.Sc.', 'Dept.': 'Computer Science', 'year': '2nd year', 'College': '
BHC'}
Surendran
Yogendran
>>>
```

Activate Windows
Go to Settings to activate Windows.

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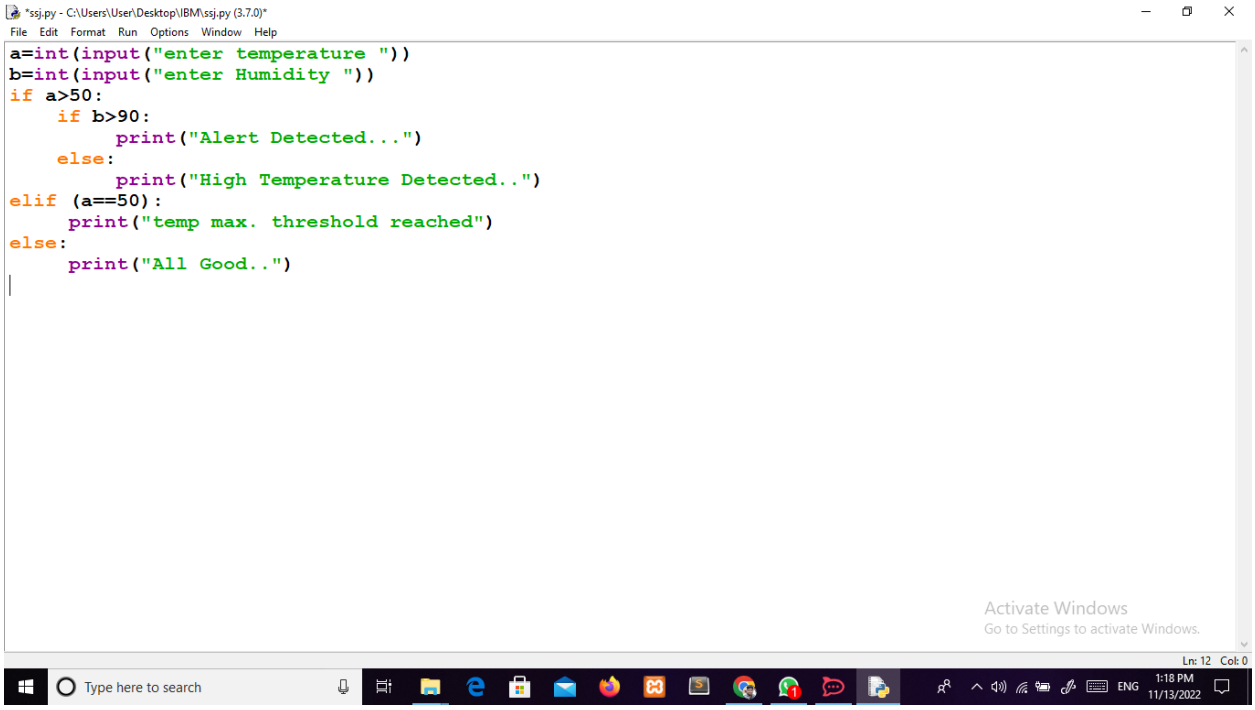
Type here to search

ENG 1:02 PM 11/13/2022


ssj.py - C:\Users\User\Desktop\IBM\ssj.py (3.7.0)
File Edit Format Run Options Window Help
a=int(input("enter temperature "))
b=int(input("enter Humidity "))
if a>50:
if b>90:
print("Alert Detected...")
else:
print("High Temperature Detected..")
elif (a==50):
print("temp max. threshold reached")
else:
print("All Good..")
Activate Windows
Go to Settings to activate Windows.
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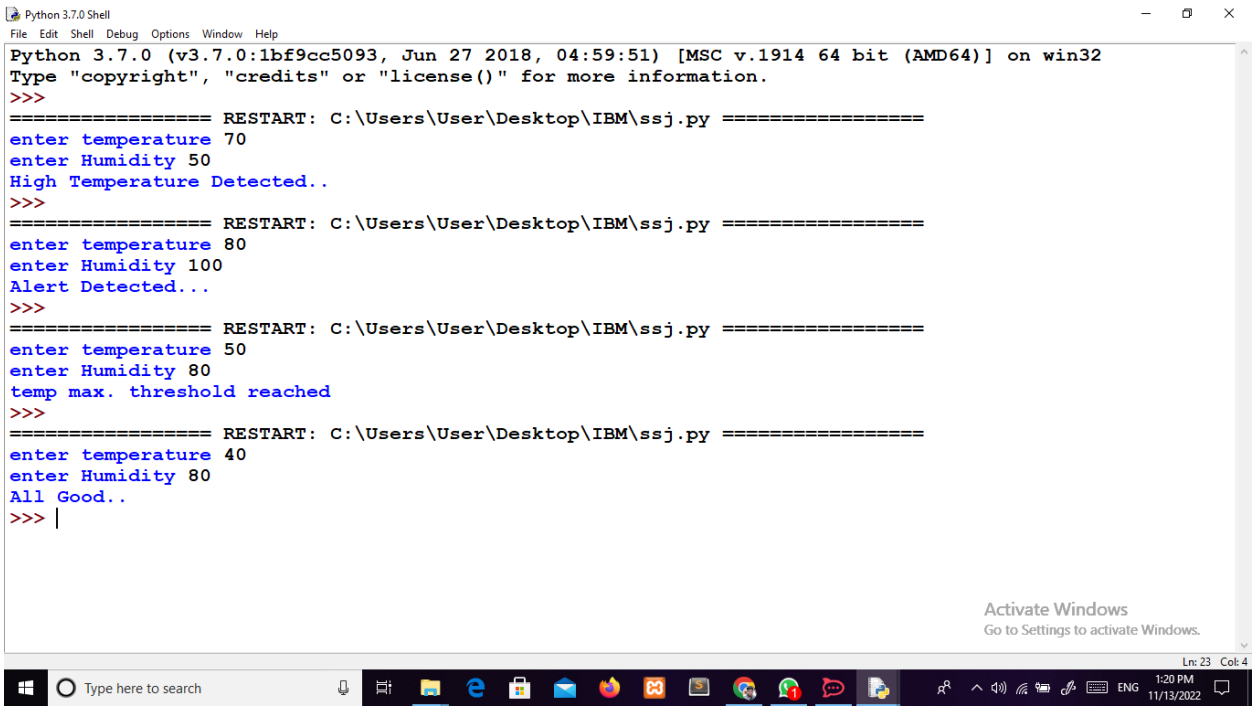
Type here to search
ENG
1:18 PM
11/13/2022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Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\User\Desktop\IBM\ssj.py ==========
enter temperature 70
enter Humidity 50
High Temperature Detected..
>>>
========== RESTART: C:\Users\User\Desktop\IBM\ssj.py ==========
enter temperature 80
enter Humidity 100
Alert Detected...
>>>
========== RESTART: C:\Users\User\Desktop\IBM\ssj.py ==========
enter temperature 50
enter Humidity 80
temp max. threshold reached
>>>
========== RESTART: C:\Users\User\Desktop\IBM\ssj.py ==========
enter temperature 40
enter Humidity 80
All Good..
>>>
Activate Windows
Go to Settings to activate Windows.
Ln: 23 Col: 4
Type here to search
ENG
1:20 PM
11/13/2022