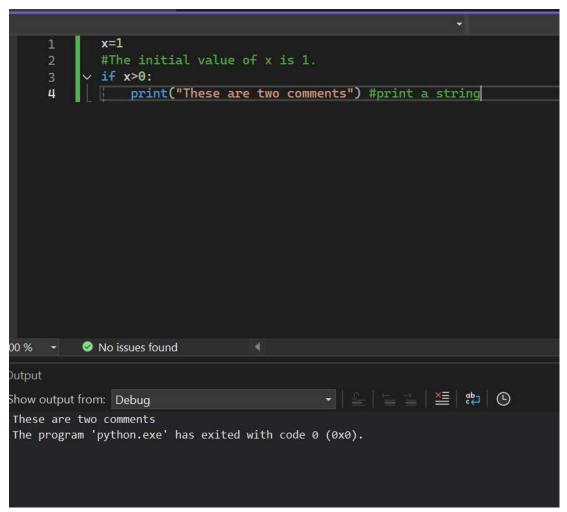
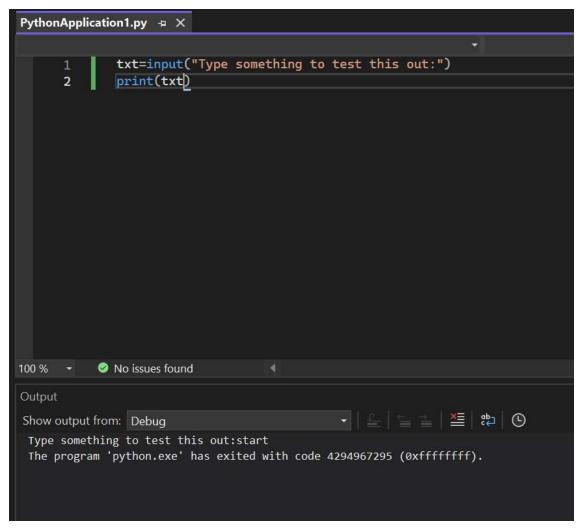


Comments in Python:



Input/Output:



Multiple Statements on a Single Line:

```
print("Statement2")

print("Statement2")

#You can write above two statements in the following way

print("Statemen1"); print("Statement2")

No issues found

Output

Show output from: Debug

Statement1

Statement2

Statement2

Statement2

The program 'python.exe' has exited with code 0 (0x0).
```

### Indentation:

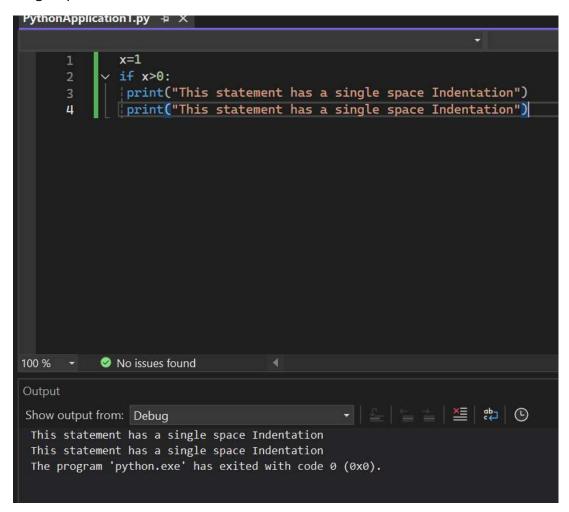
### Input:

```
1  x=1
2  if x>0:
3  print("This statement has no Indentation")
4  print("This statement has no Indentation")
```

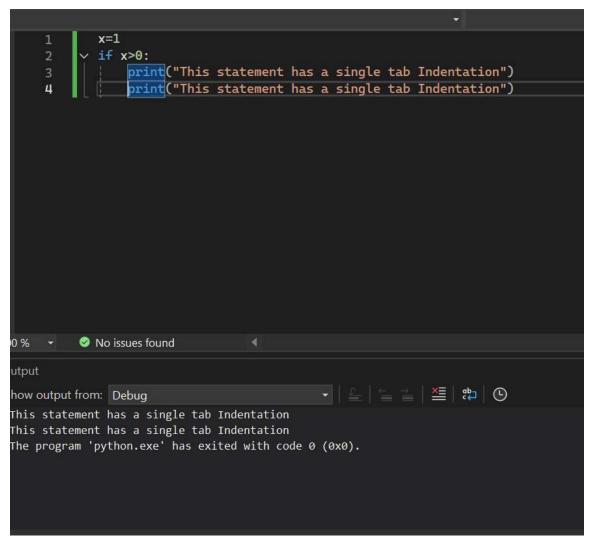
Output:

```
File "c:\program files\microsoft visual studio\2022\community\common7\ide\extensions\microsoft\python\core\debugpy\landariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantariantarianta
```

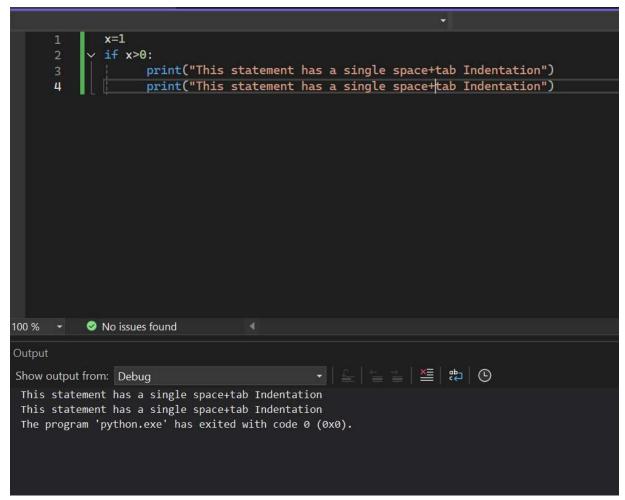
#### Single Space Indentation:



#### Single Tab Indentation:



Single space + Single tab Indentation:



Data types and Type casting:

Numbers:

```
a=1452
        type(a)
        <class 'int'>
        b=(-4587)
        type(b)
        <class 'int'>
        c=0
        type(c)
        <class 'int'>
10
        g=1.03
11
        type(g)
        <class 'float'>
12
        h=-11.23
13
14
        type(h)
        <class 'float'>
15
        i=.34
16
        type(i)
        <class 'float'>
      8 11 ▲ 0 ↑ ↓
          ryperxy
          <class 'complex'>
          print(x)
          (1+2j)
          z=1+2j
          type(z)
          <class 'complex'>
          z=1+2j
  34
          type(z)
          <class 'complex'>
```

Boolean(bool):

```
1 x=True
2 type(x)
3 <class 'bool'>
4 y=False
5 type(y)
6 <class 'bool'>
```

#### Strings:

Special characters in strings:

```
print("This is a backslash(\) mark.")

#This is a backslash (\) mark.

print("This is tab \t key")

#This is tab \t key.

print("These are \'single quotes\'")

#These are 'single quites'.

print("These are \"double quotes"\")

print("Thus is a new line\nNew line")

#This is a new line.

#New line
```

String indices and accessing string elements:

#### LISTS:

#### **Creating Lists:**

#### List Indices:

```
PythonApplication1.py 💠 🗙
                          my_list=[]
                                                                      #[]
                          print(my_list)
100 % -
                     No issues found
 Show output from: Debug
  The thread 'MainThread' (1) has exited with code 0 (0x0).
  The program 'python.exe' has exited with code 0 (0x0).
       color_list=["RED","Blue","Green","Black"] #The list have four elements indices start at 0 and end at 3
color_list[0] #return the first element 'PED'
print(color_list[0],color_list[3]) #print first and last element RED Black
color_list[-1] #return last element 'Black'
print(color_list[4]) #creates error as the indices is out of range
```

List Slice: