

```
1 /usr/local/bin/python3.8 "/Applications/PyCharm CE.  
  app/Contents/plugins/python-ce/helpers/pydev/  
  pydevconsole.py" --mode=client --port=55298  
2  
3 import sys; print('Python %s on %s' % (sys.version  
  , sys.platform))  
4 sys.path.extend(['/Users/jacobsonwil/Desktop/  
  PythonJedi', '/Users/jacobsonwil/Desktop/PythonJedi  
  /Chapter01Intro', '/Users/jacobsonwil/Desktop/  
  PythonJedi/PyConsole', '/Users/jacobsonwil/Desktop/  
  PythonJedi/CH01VC'])  
5  
6 PyDev console: starting.  
7  
8 Python 3.8.5 (v3.8.5:580fbb018f, Jul 20 2020, 12:11  
  :27)  
9 [Clang 6.0 (clang-600.0.57)] on darwin  
10 >>> #Will Jacobson's python console practice  
11 >>> 4+5  
12 9  
13 >>> 3*5  
14 15  
15 >>> 5/3  
16 1.6666666666666667  
17 >>> 5//3  
18 1  
19 >>> 3%2  
20 1  
21 >>> 22%2  
22 0  
23 >>> 2**8  
24 256  
25 >>> 23**43  
26 358341369189342207775419956772726420154239877121839  
  13488967  
27 >>> abs(-7)  
28 7  
29 >>> a=2  
30 >>> a  
31 2  
32 >>> a=5  
33 >>> a  
34 5  
35 >>> A=2
```

```
36 >>> a
37 5
38 >>> A
39 2
40 >>> a=2
41 >>> b=7
42 >>> b
43 7
44 >>> b%2
45 1
46 >>> x=8
47 >>> x
48 8
49 >>> x=x+1
50 >>> x
51 9
52 >>> x+=1
53 >>> x
54 10
55 >>> x*=2
56 >>> x
57 20
58 >>> x,y=(65,48)
59 >>> y
60 48
61 >>> x
62 65
63 >>> x,y=(20,y+=3)
64 ...
65 ... x
66     File "<input>", line 1
67         x,y=(20,y+=3)
68             ^
69 SyntaxError: invalid syntax
70 >>> x,y=(20,y+3)
71 >>> y
72 51
73 >>> midi_count=100
74 >>> midi_count
75 100
76 >>> midiCount
77 Traceback (most recent call last):
78   File "<input>", line 1, in <module>
79 NameError: name 'midiCount' is not defined
```

```
80 >>> SW=500
81 >>> a="this is some text"
82 >>> a
83 'this is some text'
84 >>> b=3
85 >>> c=4.3
86 >>> d=True
87 >>> type(a)
88 <class 'str'>
89 >>> type(b)
90 <class 'int'>
91 >>> type(c)
92 <class 'float'>
93 >>> type(d)
94 <class 'bool'>
95 >>> f=a+b
96 Traceback (most recent call last):
97   File "<input>", line 1, in <module>
98 TypeError: can only concatenate str (not "int") to
   str
99 >>> f=b+c
100 >>> f
101 7.3
102 >>> type(f)
103 <class 'float'>
104 >>> b=" more sentence"
105 >>> f=a+b
106 >>> g
107 Traceback (most recent call last):
108   File "<input>", line 1, in <module>
109 NameError: name 'g' is not defined
110 >>> f
111 'this is some text more sentence'
112 >>> b=2
113 >>> b=str(b)
114 >>> b
115 '2'
116 >>> f=a+b
117 >>> f
118 'this is some text2'
119 >>> #This ends my experiment
120
```