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1 /usr/local/bin/python3.8 "/Applications/PyCharm CE.app/
  Contents/helpers/pydev/pydevconsole.py" 55974 55975
2 /Applications/PyCharm CE.app/Contents/helpers/pydev/
  _pydevd_bundle/pydevd_resolver.py:127: SyntaxWarning: "is
  not" with a literal. Did you mean "!="?
3     if found.get(name) is not 1:
4
5 import sys; print('Python %s on %s' % (sys.version, sys.
  platform))
6 sys.path.extend(['/Users/topolinskinat/Desktop/PythonJedi/
  Ch.02'])
7
8 PyDev console: starting.
9
10 Python 3.8.5 (v3.8.5:580fbb018f, Jul 20 2020, 12:11:27)
11 [Clang 6.0 (clang-600.0.57)] on darwin
12 >>> # nathan topolinski's chapter 2 log file
13 >>> '''here is a multiline comment'''
14 'here is a multiline comment'
15 >>> 5+3
16 8
17 >>> 5*3
18 15
19 >>> 5/3
20 1.6666666666666667
21 >>> 5-3
22 2
23 >>> 5^3
24 6
25 >>> 5**2
26 25
27 >>> 5//3
28 1
29 >>> 5%3
30 2
31 >>> 5%2
32 1
33 >>> 6%2
34 0
35 >>> 23**43
36 35834136918934220777541995677272642015423987712183913488967
37 >>> 23**143
38 53343382464048881125546788842917799530608969321308149137253
  52542170422219753866036259675469432309786545604991475865320
  42348230582998274774093432977517361713175569741670875184040
  861446737791580967
39 >>> 23**1143
40 28504706137583827883012365046783554149182497412468660377769
  51373442081908036661099481448561306131405046721895541684798
  36499145155592029063252588644285371361462556679893896483699

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40 49960933413527316958453822237743536224895544974165982806927
58779708585101120299797578634715293799920293119065380002824
57013412637440347379070947014902306572335083694296559096491
99801774652852551257164794003832563668470827218895692921644
69509387281303919621752613651540571841793096460490589606217
08442346171937832104169390963102802579123887603526138460491
02273039068655168008694008119589418960820348683120422127391
04123907603789369666922104995005025327317476206718835085975
95266472101243246473995006563424378749428070577219503534302
77238499499578792248780805997923128686552585252731902422714
25768347380327651114287162679382470506303933791745500384963
75325555029472558690904994294048868667273232480211058267619
57387873578164915313204329966917846449164021219933686941944
77626579894139650496248522110353189317103539553763980338224
67905801961074199718412287139766043233058386393257175794657
88254484455574881279806878689315760525890746724530480448759
74268953116045598353468611447124789890325719906326313266098
27619573598006233382068225607871632046285542794799285755638
35041321445119904218771324774072465664697659345805589778060
14112183545651697332217665641215301371792558969604964198247
74771462583783376659380986630171240240668788516373773724129
20200688034841690083468220384347396482938596920839150543823
42187280545320528878553666515955547359553136212534330914798
88047965733169132500967
41 >>> abs(-7)
42 7
43 >>> a=2
44 >>> a
45 2
46 >>> b=5
47 >>> b+a
48 7
49 >>> a+b
50 7
51 >>> a*b
52 10
53 >>> a**b
54 32
55 >>> a%b
56 2
57 >>> b=b+1
58 >>> a+b
59 8
60 >>> b=
61 ... b
62   File "<input>", line 1
63       b=
64       ^
65 SyntaxError: invalid syntax
```

```
66 >>> b
67 6
68 >>> b=b-1
69 >>> b
70 5
71 >>> b//a
72 2
73 >>> b/a
74 2.5
75 >>> a=B
76 Traceback (most recent call last):
77   File "<input>", line 1, in <module>
78 NameError: name 'B' is not defined
79 >>> a+B
80 Traceback (most recent call last):
81   File "<input>", line 1, in <module>
82 NameError: name 'B' is not defined
83 >>> b+=1
84 >>> b
85 6
86 >>> b-=1
87 >>> b
88 5
89 >>> C3P0
90 Traceback (most recent call last):
91   File "<input>", line 1, in <module>
92 NameError: name 'C3P0' is not defined
93 >>> True
94 True
95 >>> 42
96 42
97 >>> 42.0
98 42.0
99 >>> "C3P0"
100 'C3P0'
101 >>> a*=10
102 >>> a/=2
103 >>> a+=12
104 >>> a-=7
105 >>> a
106 15.0
107 >>> myname="nathan"
108 >>> myname
109 'nathan'
110 >>> yourname=python
111 Traceback (most recent call last):
112   File "<input>", line 1, in <module>
113 NameError: name 'python' is not defined
114 >>> yourname="python"
115 >>> yourname
```

```
116 'python'
117 >>> yourname
118 'python'
119 >>> myname
120 'nathan'
121 >>> bulletcount=100
122 >>> bulletcount
123 100
124 >>> a="this is a string variable example"
125 >>> b=3
126 >>> c=4.3
127 >>> d=True
128 >>> d
129 True
130 >>> d
131 True
132 >>> d
133 True
134 >>> dd
135 Traceback (most recent call last):
136   File "<input>", line 1, in <module>
137 NameError: name 'dd' is not defined
138 >>> dd
139 Traceback (most recent call last):
140   File "<input>", line 1, in <module>
141 NameError: name 'dd' is not defined
142 >>> d
143 True
144 >>> c
145 4.3
146 >>> type(a)
147 <class 'str'>
148 >>> type(b)
149 <class 'int'>
150 >>> type(c)
151 <class 'float'>
152 >>> type(d)
153 <class 'bool'>
154 >>> # the end
155
```