In [1]:
```
hello = 1
world = 2
hello2 = 3
```

Out[1]:
```
3
```

Day 1: python basic

Basic Syntax

1. variable and type

In [2]:
```
hello=1000 + 10
```

In [3]:
```
print hello=1010
```

In [4]:
```
# print code here
hello=10 + "hello=1010"
print hello
```

Out[4]:
```
hello=1010
```

In [5]:
```
hello=1.1 "hello.world"
hello = True
hello2 = True
print hello1
print hello2
print type(hello)
print type(hello2)
print hello1+hello2
print type(hello1+hello2)

hello=10.0
hello2=10
hello3=True
hello4=False
print hello+hello2
print hello2+hello3
print hello3+hello4
print type(hello+hello2)
print type(hello2+hello3)
print type(hello3+hello4)

hello = 1.1
hello2 = True
hello3 = False
hello4 = False
print hello+hello2
print hello2+hello3
print hello3+hello4
print type(hello+hello2)
print type(hello2+hello3)
print type(hello3+hello4)
```

In [6]:
```
# print code here
hello=1.1
hello2=True
hello3=False
print hello+hello2
print hello2+hello3
print hello3+hello4
```

Out[6]:
```
2.1
2
0
```

In [7]:
```
hello = 1.1
hello2 = True
hello3 = False
hello4 = False
print hello+hello2
print hello2+hello3
print hello3+hello4
print type(hello+hello2)
print type(hello2+hello3)
print type(hello3+hello4)
```

2. number

In [8]:
```
hello=1.1
hello2=10
print hello+hello2
```

In [9]:
```
# print code here
hello=1
hello2=2.2
print hello+hello2
```

Out[9]:
```
3.2
```

In [10]:
```
# print code here
hello=1
hello2=2.2
hello3=True
hello4=False
print hello+hello2
print hello2+hello3
print hello3+hello4
```

3. comment

In [11]:
```
# print code here
print "hello=1010"
print "hello = 1010 + 10"
print 10+10
print 10-10
print 10*10
print 10/10/10000 , 10%3
```

In [12]:
```
# print code here
```

4. string

documentation: https://docs.python.org/2/library/string.html

In [13]:
```
hello1 = "hello world"
hello2 = "hello world"

hello world
hello world
```

Out[13]:
```
'hello world'
```

In [14]:
```
print "hello world"
print "hello world"
```

Out[14]:
```
hello world
hello world
```

In [15]:
```
print "hello world"
print "hello world"
print "hello world"
```