

## Python – Compound IF Statements

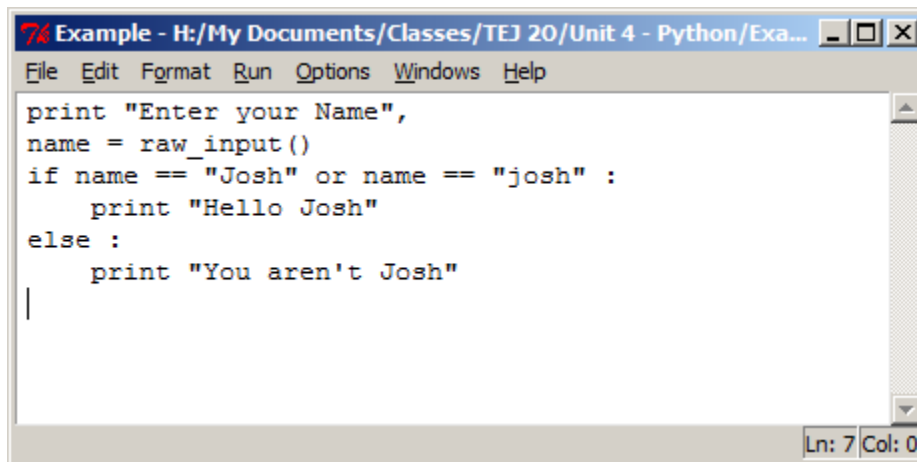
Compound IF statement use AND & OR. These follow the same Boolean Logic as the AND & OR Logic Gates :

**`AND`**

P	Q	P • Q
T	T	T
T	F	F
F	T	F
F	F	F

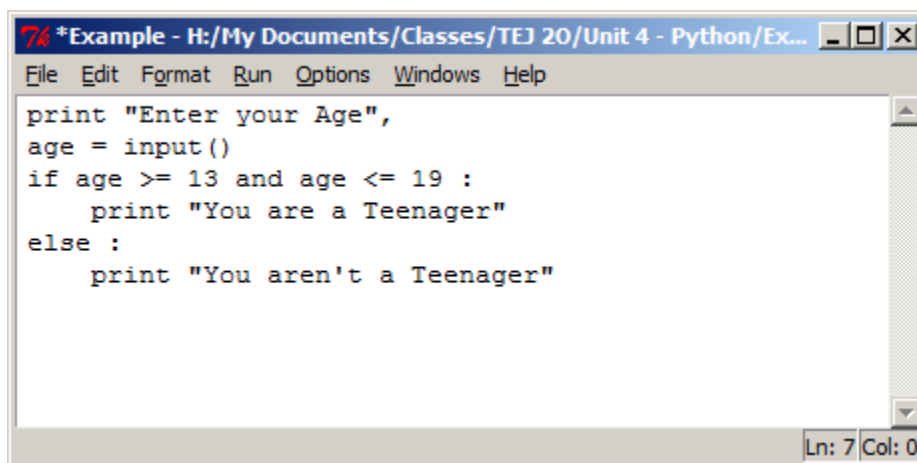
**`OR`**

P	Q	P + Q
T	T	T
T	F	T
F	T	T
F	F	F



```
print "Enter your Name",
name = raw_input()
if name == "Josh" or name == "josh" :
    print "Hello Josh"
else :
    print "You aren't Josh"
```

The program looks at the input (name) and if it is “Josh” or “josh” --- (text is case sensitive) --- then it prints “Hello Josh”. With OR, only one of the conditions have to be TRUE.



```
print "Enter your Age",
age = input()
if age >= 13 and age <= 19 :
    print "You are a Teenager"
else :
    print "You aren't a Teenager"
```

With AND, both conditions have to be TRUE.