

Comments in python

Simple comments

```
n = 5 # this is a comment
```

Comments and strings

```
s1 = "hello" # comment
s2 = "hello # not a comment"
s3 = 'hi # not a comment'

s4 = """text # not a comment
# also not a comment
""" # comment

s5 = '''text # not a comment
# also not a comment
''' # a comment

s6 = "hello" # this is a comment " <- shouldn't be part of string
```

Escaping a string

```
s7 = "hello \" # not a comment"
s8 = 'hi \' # not a comment'
s9 = "\\" # this is a comment
s10 = "\\\" # this isn't"
s11 = "\\\" # even number of backslashes before closing " mean it's gonna
end the string
s12 = "\\\" # odd number means it won't"

s13 = '\\\\' # not a comment'
s14 = '\\\\' # comment

s15 = """ \"\"\" a
" ""
\"\"\" # not a comment
""\\\""" "" # weird things happens with multiline strings""
s16 = ''' \'\'\' text
\'\'\' # not a comment
\'\\\'\'\' \'\' # also not a comment\'\'\' # while this is \'\'\' a comment
```

Combining strings

```
s17 = "'text' # not a comment" # a comment  
s18 = '"text" # not a comment' # a comment
```

Empty strings

These ***should*** be simple, but while dealing with all of the above, can be omitted

```
s19 = "" # a comment  
s20 = '' # a comment
```

Multiline string weirdness

```
s21 = """ # so yeah, it's NOT a comment """ # this one is  
s22 = ''' # neither is this one ''' # this one also it  
s23 = """ """ # this IS a comment """
```