

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 """
```