Scope of Variable

1. from 1st assigned to var or parameter
2. to end of func or file
3. Except inside other func or sometimes
\[ X = x + 1 \]
\[ X += 1 \]

\[ S **= 2 \quad \Rightarrow \quad S = S ** 2 \]

\[ y = "h" \]
\[ y * = S \]
\[ print(y) \]
s = "Hi"

x = len(s)

t = s.lower()

t = lower(s)

y = x.lower()