In [1]:
```
#print the python version
import sys
print("python version:", sys. version)
```

```
python version: 3.12.4 | packaged by Anaconda, Inc. | (main, Jun 18 2024, 15:03:56) [MSC v.1929 64 bit (AMD64)]
```

In [4]:
```
#python indentation
if 10>2:
    print("yes")
```

```
yes
```

In [6]:
```
if 10>2:
print("yes")
```

```
  Cell In[6], line 2
    print("yes")
    ^
IndentationError: expected an indented block after 'if' statement on line 1
```

In [8]:
```
#python keywords
import keyword
python_keyword = keyword.kwlist
print(python_keyword)
len(python_keyword)
```

```
['False', 'None', 'True', 'and', 'as', 'assert', 'async', 'await', 'break', 'class', 'continue', 'def', 'del', 'elif', 'else', 'except', 'finally', 'for', 'from', 'global', 'if', 'import', 'in', 'is', 'lamb
da', 'nonlocal', 'not', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']
```

Out[8]:
```
35
```

In [16]:
```
#python variable
a = 10
print(a)


#valid variable
text = "Good morning"
list_1 = [1,2,3]
_hello = "python"
first_middle_last = "kaya Hema Latha"
h = 16
lastname = "Reddy"
_valid = 566
num_2 = 45.8
month123 = 90

#invalid variable
123days = "feb"
&valid = 25
@in valid = 8.00
per% = 100
try = "performance"
continue = 66
6_six = "wow"
#-var = 9
None = 0
```

```
  Cell In[16], line 18
    123days = "feb"
      ^
SyntaxError: invalid decimal literal
```

In [28]:
```
#Multiple variable
x=y=z=1
print(x,y,z)

p=q=r=True
print(p,q,r)
print(type(q))

name,place,age = "Harini","Hyd",22
print(name,place,age)

min_value,max_value = 8,90
print(min_value)
print(type(max_value))

students_name = ["Tarun","Saha","Merry"]
a,b,c = students_name
print(a,b,c)
print(type(a))

marks = [89,79,99]
m1,m2,m3 = marks
print(m1,m2,m3)

length,width = 15,8
print(length,width)
```

```
1 1 1
True True True
<class 'bool'>
Harini Hyd 22
8
<class 'int'>
Tarun Saha Merry
<class 'str'>
```

```
89 79 99
15 8
```

In [ ]: