In [4]:
```python
import keyword
```

In [5]:
```python
keyword.kwlist
```

Out[5]:
```
['False',
 'None',
 'True',
 'and',
 'as',
 'assert',
 'async',
 'await',
 'break',
 'class',
 'continue',
 'def',
 'del',
 'elif',
 'else',
 'except',
 'finally',
 'for',
 'from',
 'global',
 'if',
 'import',
 'in',
 'is',
 'lambda',
 'nonlocal',
 'not',
 'or',
 'pass',
 'raise',
 'return',
 'try',
 'while',
 'with',
 'yield']
```

code commants

- # single line
- text

getting keyword list

In [11]: `import keyword`

In [12]: `keyword.kwlist`

Out[12]:
```
['False',
 'None',
 'True',
 'and',
 'as',
 'assert',
 'async',
 'await',
 'break',
 'class',
 'continue',
 'def',
 'del',
 'elif',
 'else',
 'except',
 'finally',
 'for',
 'from',
 'global',
 'if',
 'import',
 'in',
 'is',
 'lambda',
 'nonlocal',
 'not',
 'or',
 'pass',
 'raise',
 'return',
 'try',
 'while',
 'with',
 'yield']
```

operators

```
**- power
//-floor
```

3 membership operators(in,not in)

```python
In [14]: a=[1,2,3,4,5]
         if 5in a:
             print(True)
```

```
True
```

identity operators (is,is not)

```python
In [18]: a=10
         b=5
         if a is b:
             print(True)
         else:
             print(False)
```

```
False
```

Expressions

- operator precedency(PEDMAS)

```python
In [19]: a,b,c,d=5,5,5,5
         print(a+b*c/d)
```

```
10.0
```

```python
In [20]: a,b,c,d=5,4,3,2
         print(a+b*c/d)
```

```
11.0
```

python literals

- literal is data which is given to a variable
  - types of literals
  - string literals
    - single line("," ")
      - multiline("' '" or """ """)
- numaric literals
  - int, long, float,complex
- boolen and special literals
  - true,false,none
- literals collections
  - list,tuple,dictionary

```
In [22]:   # single line
           a='ece'
           b="students"
           print(a,b)
```

ece students

```
In [26]:   #multiline literal
           a='''hai
           hello
           how r u?
           '''
```

```
In [27]:   a
```

Out[27]:   'hai\nhello\nhow r u?\n'

```
In [28]:   '''
           hello
           aits college
           tirupati
           '''
```

Out[28]:   '\nhello\naits college\ntirupati\n'

reading user input

```
In [43]:   # reading
           '''
           a=5
           print(a)
           print(type(a))

           a='sai'
           print(a)
           print(type(a))
           '''
           n=input
           print('enter a value')
           print(type(n))
           n=int(input())
           print('enter a value')
           print(type(n))
```

```
           enter a value
           <class 'method'>
           456
           enter a value
           <class 'int'>
```

```
In [42]:   a=1 2 3
           print(a)
```

```
  File "<ipython-input-42-81b91f2c06b8>", line 1
    a=1 2 3
        ^
SyntaxError: invalid syntax
```

Conditional statements

- used for decision making
- if the condition satisfies it just return boolen value
- Types
  - if
  - else
  - elif

if statement

```
if (condition){
    stmts to execute - other langu
    }
 ### in python
if condition:
    stmts to execute
else:
     stmts to exxcute
```

```
In [ ]:   # valid user detailas or not
          uname=input('enter u name:')
          pwd=input('enter password:')
          if uname=='ganesh' and pwd=='435':
              print('valid user details')
          else:
              print('invalid ')
```

syntax for if,elif,else

```
if condition:
     stmts to execute
elif condition:
    stmts to execute:
else:
    stmts to execute
```

In [3]:
```python
# even or odd
n= int(input('enter number'))
if n%2==0:
    print(n,' is even')
else:
    print(n,'is odd')
```

```
enter number5
5 is odd
```

In [1]:
```python
### elif biggest of three

a= int(input('enter the value of a'))
b= int(input('enter the value of b'))
c= int(input('enter the value of c'))
if a>b and a>c:
    print(a,'is biggest')
elif b>c:
    print(b, 'is biggest')
else:
    print(c,'is biggest')
```

```
enter the value of a1
enter the value of b2
enter the value of c3
3 is biggest
```

In [3]:
```python
a= int(input('enter the value of a'))
b= int(input('enter the value of b'))
c= int(input('enter the value of c'))
if a==b==c:
    print('all are equal')
elif a>b and a>c:
    print(a, 'is biggest')
elif b>c:
    print(b,'is biggest')
else:
    print(c,'is biggest')
```

```
enter the value of a1
enter the value of b2
enter the value of c3
3 is biggest
```

In [4]:
```python
a= int(input('enter the value of a'))
b= int(input('enter the value of b'))
c= int(input('enter the value of c'))
if a==b==c:
    print('all are equal')
if a>b and a>c:
    print(a, 'is biggest')
if b>c:
    print(b,'is biggest')
else:
    print(c,'is biggest')
```

```
enter the value of a3
enter the value of b3
enter the value of c3
all are equal
3 is biggest
```

In [ ]:

In [ ]:

In [ ]: