# Python Keywords

Keywords are the reserved words in python

We can't use a keyword as variable name, function name or any other identifier

Keywords are case sentive

```
In [2]:  #Get all keywords in python 3.6

         import keyword

         print(keyword.kwlist)

         print("Total number of keywords ", len(keyword.kwlist))
```
```
['and', 'as', 'assert', 'break', 'class', 'continue', 'def', 'del', 'elif', 'els
e', 'except', 'exec', 'finally', 'for', 'from', 'global', 'if', 'import', 'in',
'is', 'lambda', 'not', 'or', 'pass', 'print', 'raise', 'return', 'try', 'while',
'with', 'yield']
('Total number of keywords ', 31)
```

# Identifiers

Identifier is the name given to entities like class, functions, variables etc. in Python. It helps differentiating one entity from another.

Rules for Writing Identifiers:

1. Identifiers can be a combination of letters in lowercase (a to z) or uppercase (A to Z) or digits (0 to 9) or an underscore (_).
2. An identifier cannot start with a digit. 1variable is invalid, but variable1 is perfectly fine.
3. Keywords cannot be used as identifiers.

```
In [3]:  global = 1
```
```
      File "<ipython-input-3-d0026cf49b71>", line 1
        global = 1
                 ^
    SyntaxError: invalid syntax
```

We cannot use special symbols like !, @, #, $, % etc. in our identifier.

```
In [5]:  a@ = 10                  #can't use special symbols as an identifier
```
```
      File "<ipython-input-5-b512271f00c8>", line 1
        a@ = 10                  #can't use special symbols as an identifier
         ^
    SyntaxError: invalid syntax
```