In [6]:
```
print(keyword.kwlist)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[6], line 1
----> 1 print(keyword.kwlist)

NameError: name 'keyword' is not defined
```

In [7]:
```
1var = 10 # Identifier can't start with a digit
```

```
  Cell In[7], line 1
    1var = 10
    ^
SyntaxError: invalid decimal literal
```

In [8]:
```
val2@ = 30 # Identifier can't use special symbols
```

```
  Cell In[8], line 1
    val2@ = 30
         ^
SyntaxError: invalid syntax
```

In [9]:
```
import = 125 # Keywords can't be used as identifiers
```

```
  Cell In[9], line 1
    import = 125
           ^
SyntaxError: invalid syntax
```

In [11]:
```
val1 = 10
```

In [12]:
```
p = 40
q = 40
r = q
p, type(p),hex(id(p))
```

Out[12]:
```
(40, int, '0x7ffa9bf7b888')
```

In [13]:
```
q,type(q),hex(id(q))
```

Out[13]:
```
(40, int, '0x7ffa9bf7b888')
```

In [14]:
```
r,type(r),hex(id(r))
```

Out[14]:
```
(40, int, '0x7ffa9bf7b888')
```

In [18]:
```
p = 90
p = p + 10
p
```

Out[18]:
```
100
```

In [23]:
```
intvar  = 10
floatvar = 8.67
strvar = 'prakash'
print(intvar)
```

```
print(floatvar)
print(strvar)
```

```
10
8.67
prakash
```

In [33]:
```
intvar  = 10
floatvar = 8.67
strvar = 'prakash'
print(intvar,floatvar,strvar)
```

```
10 8.67 prakash
```

In [28]:
```
intvar,floatvar,strvar = 10,8.67,'prakash'
print(intvar)
print(floatvar)
print(strvar)
```

```
10
8.67
prakash
```

In [29]:
```
p1 = p2 = p3 = p4 = 55
print(p1,p2,p3,p4)
```

```
55 55 55 55
```

In [44]:
```
import sys
val1 = 10
print(val1)
print(type(val1))
print(sys.getsizeof(val1))
print(val1,"is intiger?",isinstance(val1,int))
```

```
10
<class 'int'>
28
10 is intiger? True
```

In [46]:
```
val2 = 2.48
print(val2)
print(type(val2))
print(sys.getsizeof(val2))
print(val2,"is float",isinstance(val1,float))
```

```
2.48
<class 'float'>
24
2.48 is float False
```

In [47]:
```
val3 = 25 + 10j
print(val3)
print(type(val3))
print(sys.getsizeof(val3))
print(val3, " is complex?", isinstance(val3, complex))
```

```
(25+10j)
<class 'complex'>
32
(25+10j)  is complex? True
```

In [48]:
```
sys.getsizeof(int())
```

Out[48]: 28

In [49]:
```
sys.getsizeof(float())
```

Out[49]: 24

In [50]:
```
sys.getsizeof(complex())
```

Out[50]: 32

In [51]:
```
bool1 = True
```

In [52]:
```
bool2 = False
```

In [53]:
```
print(type(bool1))
```

```
<class 'bool'>
```

In [54]:
```
print(type(bool2))
```

```
<class 'bool'>
```

In [55]:
```
isinstance(bool1, bool)
```

Out[55]: True

In [ ]:
```

```