```
i = 10
i = 12
i = 'python'
i = 100
```

```
print(i)
```

```
    100
```

```
print(type(i))
```

```
    <class 'int'>
```

```
print(id(i))
```

```
    11534080
```

```
j = i
```

```
print(i, type(i), id(i))
```

```
    100 <class 'int'> 11534080
```

```
print(j, type(j), id(j))
```

```
    100 <class 'int'> 11534080
```

▾ del

del is a keywrod

del will delete memory reference from variable

```
del i
```

```
print(i)
```

```
    ---------------------------------------------------------------------------
    NameError                                 Traceback (most recent call last)
    <ipython-input-11-3b184248ad5a> in <module>
    ----> 1 print(i)

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

    SEARCH STACK OVERFLOW

```
print(j, type(j), id(j))
```

```
    100 <class 'int'> 11534080
```

```
del j
```

```
print(j)
```

```
---------------------------------------------------------------
NameError                              Traceback (most recent call last)
<ipython-input-14-325732b9e9c9> in <module>
     1 print(i)
```

▾ strings

```
s = 'python'

print(s[3])
```
```
h
```

▾ string slicing

```
s = 'python'
print(s[0:5])
```
```
pytho
```

```
s = 'python'
print(s[1:4])
```
```
yth
```

```
s = 'python'
print(s[2:3])
```
```
t
```

```
s = 'python'
print(s[4:4])
```

```
s = 'python'
print(s[:])
```
```
python
```

```
s = 'python'
print(s[0:6])
```
```
python
```

```
s = 'python'
print(s[0:])
```
```
python
```

```
s = 'python'
print(s[:len(s)])
```
```
python
```

```
s = 'python'
print(s[-5:-2])
```

```
        yth
```

```
s = 'python'
print(s[-1:-6])
```

```
s = 'python'
print(s[2:-1])
```

```
        tho
```

```
s = 'python'
print(s[-5:])
```

```
        ython
```

```
s = 'python'
print(s[0:100])
```

```
        python
```

✓ 0s   completed at 1:30 PM   ● ✕