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| --- |
| # return keyword  **def** d1(a, b):  **return** a, b d = d1(5,10) print(type(d)) # <class 'tuple'> print(d) # (5, 10) |

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| --- |
| # print statement  **def** d2(a, b):  print(a, b) d = d2(5,10) # 5 10 print(type(d))# <class 'NoneType'> |

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| --- |
| # yield keyword  **def** d3(a,b):  **yield** a  **yield** b d = d3(10,20) print(type(d)) # <class 'generator'> print(next(d)) # 10 print(next(d)) # 20 print(next(d)) # StopIteration |

|  |
| --- |
| # tuple  t = (1,2,3,4,5) print(type(t)) #<class 'tuple'>  # generator comprehension t = (i **for** i **in** range(10)) print(t) #<generator object <genexpr> at 0x0000003C61134AC8> print(type(t)) #<class 'generator'> print(list(t)) # [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]  # tuple comprehension explicitly t = tuple(i **for** i **in** range(10)) print(t) #(0, 1, 2, 3, 4, 5, 6, 7, 8, 9) print(type(t)) #<class 'tuple'> |

|  |
| --- |
| # generator comprehension  **def** show(a, b):  **while** a<=b:  **yield** a  a+=1 result = show(1,5) print(result) # <generator object show at 0x000000D26C292900> print(next(result)) # 1 print(next(result)) # 2 print(next(result)) # 3 print(next(result)) # 4 print(next(result)) # 5 print(next(result)) # StopIteration  or  **for** i **in** result:  print(i) # 1 2 3 4 5 |