Range

```
In [3]:   range(5)
```

```
Out[3]:   range(0, 5)
```

```
In [5]:   list(range(0,5))
```

```
Out[5]:   [0, 1, 2, 3, 4]
```

```
In [7]:   range(10,20)
```

```
Out[7]:   range(10, 20)
```

```
In [158...  list(range(10,20))
```

```
Out[158...  [10, 11, 12, 13, 14, 15, 16, 17, 18, 19]
```

```
In [160...  range(10,20,3) # Here, range follows as (start:stop:step)
```

```
Out[160...  range(10, 20, 3)
```

```
In [162...  list(range(10,20,3))
```

```
Out[162...  [10, 13, 16, 19]
```

```
In [163...  r = range(0,11,5)
```

```
In [164...  for i in r:
               print(i)

           0
           5
           10
```

```
In [165...  for i in enumerate(r):
               print(i)

           (0, 0)
           (1, 5)
           (2, 10)
```

```
In [166...  list(r)
```

```
Out[166...  [0, 5, 10]
```

```
In [172...  l = ['a','b', 'c', 1, 2.2, 45, True, 1+2j]
```

```
In [174...  l
```

```
Out[174...  ['a', 'b', 'c', 1, 2.2, 45, True, (1+2j)]
```

```
In [176...  l[:]
```

```
Out[176...  ['a', 'b', 'c', 1, 2.2, 45, True, (1+2j)]
```

```
In [178...  l[-5:]
```

```
Out[178...  [1, 2.2, 45, True, (1+2j)]
```

```
In [179...  l[5]
```

```
Out[179...  45
```

```
In [182...  l[5:]
```

```
Out[182...  [45, True, (1+2j)]
```

```
In [183...  l[-5]
```

```
Out[183...  1
```

```
In [184...  l
```

```
Out[184...  ['a', 'b', 'c', 1, 2.2, 45, True, (1+2j)]
```

```
In [188...  l[2:9]
```

```
Out[188...  ['c', 1, 2.2, 45, True, (1+2j)]
```

```
In [189...  l[2:7]
```

```
Out[189...  ['c', 1, 2.2, 45, True]
```

```
In [190...  l[2:7:2] # step slicing
```

```
Out[190...  ['c', 2.2, True]
```

```
In [194...  l[-5:-3]
```

```
Out[194...  [1, 2.2]
```

```
In [196...  l[-5:-4]
```

```
Out[196…  [1]
```

```
In [197…  l[-5:-2]
```

```
Out[197…  [1, 2.2, 45]
```

```
In [198…  l[-5:-1]
```

```
Out[198…  [1, 2.2, 45, True]
```

```
In [202…  l
```

```
Out[202…  ['a', 'b', 'c', 1, 2.2, 45, True, (1+2j)]
```

```
In [203…  l[0]
```

```
Out[203…  'a'
```

```
In [204…  l[0:-1]
```

```
Out[204…  ['a', 'b', 'c', 1, 2.2, 45, True]
```

```
In [205…  l[-5:]
```

```
Out[205…  [1, 2.2, 45, True, (1+2j)]
```

```
In [210…  s = ['sbi', 'icici', 'hdfc', 'central', 'canara', 'union','city']
          s
```

```
Out[210…  ['sbi', 'icici', 'hdfc', 'central', 'canara', 'union', 'city']
```

```
In [211…  s[-6:-1]
```

```
Out[211…  ['icici', 'hdfc', 'central', 'canara', 'union']
```

```
In [212…  s[-7:]
```

```
Out[212…  ['sbi', 'icici', 'hdfc', 'central', 'canara', 'union', 'city']
```

```
In [213…  s[::-1]
```

```
Out[213…  ['city', 'union', 'canara', 'central', 'hdfc', 'icici', 'sbi']
```

```
In [214…  s[::-2]
```

```
Out[214…  ['city', 'canara', 'hdfc', 'sbi']
```

```
In [215…  s[::-100]
```

```
Out[215…  ['city']
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
```

```
In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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