```
In [34]:  #range code
          r =range(5)
          r
```

Out[34]: range(0, 5)

```
In [35]:  r1=range(10)
          r1
```

Out[35]: range(0, 10)

```
In [36]:  range(10,20)
```

Out[36]: range(10, 20)

```
In [37]:  r2=list(range(10))
          r2
```

Out[37]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

```
In [38]:  r_=list(range(3))
          r
```

Out[38]: range(0, 5)

```
In [39]:  list(range(5,20))
```

Out[39]: [5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19]

```
In [40]:  list(range(10,100,10))
```

Out[40]: [10, 20, 30, 40, 50, 60, 70, 80, 90]

```
In [41]:  list(range(10,100,5))
```

Out[41]: [10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95]

```
In [42]:  list(range(5,20,5,2))
```

```
          ---------------------------------------------------------------------------
          TypeError                                 Traceback (most recent call last)
          Cell In[42], line 1
          ----> 1 list(range(5,20,5,2))

          TypeError: range expected at most 3 arguments, got 4
```

```
In [ ]:   r=range(10)
          r
```

Out[ ]:   range(0, 10)

```
In [ ]: list(r)
```

Out[ ]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

```
In [ ]: for i in r:
            print('yes')
            print(i)
```

```
yes
0
yes
1
yes
2
yes
3
yes
4
yes
5
yes
6
yes
7
yes
8
yes
9
```

```
In [ ]: range(10.2,12.5)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[10], line 1
----> 1 range(10.2,12.5)

TypeError: 'float' object cannot be interpreted as an integer
```

```
In [ ]: w1 = range(10, 20)
        w1
```

Out[ ]: range(10, 20)

```
In [ ]: for i in w1:
            print(i)
```

```
10
11
12
13
14
15
16
17
18
19
```

In [ ]: `r`

Out[ ]: range(0, 5)

In [ ]: `r[3]`

Out[ ]: 3

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

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

In [ ]: `r[4]`

Out[ ]: 4

In [ ]: `r[0]`

Out[ ]: 0

In [ ]: `r[5]`

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
Cell In[19], line 1
----> 1 r[5]

IndexError: range object index out of range
```

In [ ]: `r[0:3]`

Out[ ]: range(0, 3)

In [ ]: `range(100)`

Out[ ]: range(0, 100)

In [ ]: `range(10,30)`

Out[ ]: range(10, 30)

```python
In [ ]:  range(50)
```

```
Out[ ]:  range(0, 50)
```

```python
In [ ]:  range(10, 50,5)
```

```
Out[ ]:  range(10, 50, 5)
```

```python
In [ ]:  list(range(10, 50,5))
```

```
Out[ ]:  [10, 15, 20, 25, 30, 35, 40, 45]
```

```python
In [ ]:  range(10,50,5,6)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[27], line 1
----> 1 range(10,50,5,6)

TypeError: range expected at most 3 arguments, got 4
```

```python
In [ ]:  range(10,100,10.56)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[28], line 1
----> 1 range(10,100,10.56)

TypeError: 'float' object cannot be interpreted as an integer
```

```python
In [ ]:  for i in range(10):
             print(i)
```

```
0
1
2
3
4
5
6
7
8
9
```

```python
In [ ]:  for i in range(10,20):
             print(i)
```

```
10
11
12
13
14
15
16
17
18
19
```

In [ ]:
```python
for i in range(10,100,10):
    print(i)
```

```
10
20
30
40
50
60
70
80
90
```