In [2]:
```python
f=2e0
f
```

Out[2]: 2.0

In [3]:
```python
f=2e2
f
```

Out[3]: 200.0

In [4]:
```python
f=3.5e2
f
```

Out[4]: 350.0

In [5]:
```python
f=2.5e4
f
```

Out[5]: 25000.0

In [6]:
```python
f=1e0
f
```

Out[6]: 1.0

In [7]:
```python
import numpy as np
a=np.nan
type(a)
```

Out[7]: float

In [13]:
```python
i=34
i
```

Out[13]: 34

In [6]:
```python
a=25
b=25
c=25
```

In [7]:
```python
print(id(a))
```

140706263316136

In [15]:
```python
r=30
id(r)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[15], line 2
      1 r=30
----> 2 id(r)

TypeError: 'int' object is not callable
```

```
In [17]:  str='swapna'
          str
```

Out[17]: 'swapna'

```
In [19]:  str[0]
```

Out[19]: 's'

```
In [20]:  str[5]
```

Out[20]: 'a'

```
In [22]:  print(str[0])
          print(str[1])
          print(str[2])
          print(str[3])
          print(str[4])
          print(str[5])
```

```
          s
          w
          a
          p
          n
          a
```

```
In [23]:  str
```

Out[23]: 'swapna'

```
In [24]:  print(str[-1])
          print(str[-2])
          print(str[-3])
          print(str[-4])
          print(str[-5])
          print(str[-6])
```

```
          a
          n
          p
          a
          w
          s
```

```
In [30]:  len(str)
```

Out[30]: 6

```
In [29]:  str[1:4]
```

Out[29]: 'wap'

```
In [31]:  str[0:3]
```

Out[31]: 'swa'

```
In [32]:  str[0:7]
```

Out[32]: 'swapna'

In [33]:
```python
str='sreecharan'
str
```

Out[33]: 'sreecharan'

In [34]:
```python
str[0:2:10]
```

Out[34]: 's'

In [35]:
```python
str[0:10:2]
```

Out[35]: 'secaa'

In [36]:
```python
str[1:8:3]
```

Out[36]: 'rcr'

In [38]:
```python
str[2:10:2]
```

Out[38]: 'ecaa'

In [39]:
```python
str[::1]
```

Out[39]: 'sreecharan'

In [40]:
```python
str[::2]
```

Out[40]: 'secaa'

In [41]:
```python
str
```

Out[41]: 'sreecharan'

In [42]:
```python
str[::3]
```

Out[42]: 'sean'

In [43]:
```python
str[:]
```

Out[43]: 'sreecharan'

concatnation=adding

In [46]:
```python
s='welcome'
s1=' to'
s2=' world'
print(s+s1+s2)
```

welcome to world

In [48]:
```python
s='hi'
s1=' everyone'
```

```
print(s+s1)
```

hi everyone

In [3]:
```
i=34
i
```

Out[3]:   34

In [4]:
```
id(i)
```

Out[4]:   140706263316424

In [10]:
```
i=20
i
```

Out[10]:   20

In [11]:
```
id(i)
```

Out[11]:   140706263315976

In [14]:
```
a=10
b=10
c=10
print(a,b,c)
```

10 10 10

In [15]:
```
print(id(a))
```

140706263315656

In [ ]: