

```
In [1]: i=4  
i
```

```
Out[1]: 4
```

```
In [2]: type(i)
```

```
Out[2]: int
```

```
In [3]: a=1e0
```

```
In [4]: print(a)
```

```
1.0
```

```
In [5]: b=23e3  
b
```

```
Out[5]: 23000.0
```

```
In [6]: c=4.8e2  
c
```

```
Out[6]: 480.0
```

```
In [7]: e = true
```

```
-----  
NameError                                     Traceback (most recent call last)  
Cell In[7], line 1  
----> 1 e = true  
  
NameError: name 'true' is not defined
```

```
In [9]: e = True
```

```
In [10]: e
```

```
Out[10]: True
```

```
In [11]: f = False
```

```
In [12]: f
```

```
Out[12]: False
```

```
In [13]: e+f
```

```
Out[13]: 1
```

```
In [14]: type(e)
```

```
Out[14]: bool
```

```
In [15]: e+f  
e-f
```

```
Out[15]: 1
```

```
In [16]: print(e+f)  
print(e-1)
```

```
1  
0
```

```
In [17]: false/true
```

```
NameError  
Cell In[17], line 1  
----> 1 false/true
```

```
Traceback (most recent call last)
```

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

```
In [18]: False/True
```

```
Out[18]: 0.0
```

```
In [19]: False//True
```

```
Out[19]: 0
```

```
In [20]: True/False
```

```
ZeroDivisionError  
Cell In[20], line 1  
----> 1 True/False
```

```
Traceback (most recent call last)
```

```
ZeroDivisionError: division by zero
```

```
In [22]: import keyword  
keyword.kwlist
```

```
Out[22]: ['False',
 'None',
 'True',
 'and',
 'as',
 'assert',
 'async',
 'await',
 'break',
 'class',
 'continue',
 'def',
 'del',
 'elif',
 'else',
 'except',
 'finally',
 'for',
 'from',
 'global',
 'if',
 'import',
 'in',
 'is',
 'lambda',
 'nonlocal',
 'not',
 'or',
 'pass',
 'raise',
 'return',
 'try',
 'while',
 'with',
 'yield']
```

```
In [23]: c=10+20j
c
```

```
Out[23]: (10+20j)
```

```
In [24]: c.real
```

```
Out[24]: 10.0
```

```
In [25]: c.imag
```

```
Out[25]: 20.0
```

```
In [26]: c.conjugate
```

```
Out[26]: <function complex.conjugate()>
```

```
In [27]: c1 = 10+4.5j
```

```
c1
```

```
Out[27]: (10+4.5j)
```

```
In [28]: c2 = 20+9.5j  
c2
```

```
Out[28]: (20+9.5j)
```

```
In [29]: c1+c2
```

```
Out[29]: (30+14j)
```

String

Indexing

```
In [30]: s='vamshi'
```

```
In [31]: s
```

```
Out[31]: 'vamshi'
```

```
In [32]: s[0]
```

```
Out[32]: 'v'
```

```
In [33]: s[1]
```

```
Out[33]: 'a'
```

```
In [34]: s[9]
```

```
-----  
IndexError  
Cell In[34], line 1  
----> 1 s[9]
```

Traceback (most recent call last)

```
IndexError: string index out of range
```

Slicing

```
In [35]: s[:]
```

```
Out[35]: 'vamshi'
```

```
In [36]: s[2:4]
```

```
Out[36]: 'ms'
```

```
In [37]: s[:5]
```

```
Out[37]: 'vamsh'
```

```
In [38]: s[0:5:1]
```

```
Out[38]: 'vamsh'
```

```
In [39]: s[2:-2]
```

```
Out[39]: 'ms'
```

```
In [40]: "The "KGF movie test" likely refers to common critiques and praises of the action f
```

Cell In[40], line 1

"The "KGF movie test" likely refers to common critiques and praises of the action films, which often center on their over-the-top, hyper-masculine style, epic scale, and gritty, myth-like storytelling. While some critics find the violence repetitive and the editing choppy, many are impressed by the film's stylish visuals, intense action choreography, and overall immersive world, especially in KGF: Chapter 2, which improves upon some of the first film's shortcomings. Technical aspects like cinematography and set design are frequently praised, even when the editing is distracting."

^

SyntaxError: invalid syntax

```
In [41]: '''The "KGF movie test" likely refers to common critiques and praises of the action
```

```
Out[41]: 'The "KGF movie test" likely refers to common critiques and praises of the action
films, which often center on their over-the-top, hyper-masculine style, epic scale,
and gritty, myth-like storytelling. While some critics find the violence repetitive
and the editing choppy, many are impressed by the film\'s stylish visuals, intense
action choreography, and overall immersive world, especially in KGF: Chapter
2, which improves upon some of the first film\'s shortcomings. Technical aspects like
cinematography and set design are frequently praised, even when the editing is
distracting.'
```

```
In [ ]:
```