

```
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                                Traceback (most recent call last)  
Cell In[17], line 1  
----> 1 false/true  
  
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                        Traceback (most recent call last)  
Cell In[20], line 1  
----> 1 True/False  
  
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                                Traceback (most recent call last)  
Cell In[34], line 1  
----> 1 s[9]  
  
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 []: