Numbers

```
In [ ]: 10
In [ ]: 10+10 #addition
Out[]: 20
       10*2
In [ ]: 10/2 #float division
Out[]: 5.0
In [ ]: 10//2 #floor division
Out[ ]: 5
In [ ]: 10**2 #square or power
Out[ ]: 100
In [ ]: 10**3
Out[ ]: 1000
In [1]: width=20
       height=5*9
        width*height
Out[1]: 900
In [ ]: _ #returns previous value
Out[]: 1000
In [ ]: _+10
Out[]: 1010
In [ ]: _*10
Out[]: 10100
In [ ]: _/10
Out[]: 1010.0
In [ ]: 10*3+6-2
Out[]: 34
```

```
In [ ]: 10*(3+6)-2
Out[ ]: 88
```

usage of math library

strings concept

```
In [ ]: welcome to hyd

File "/tmp/ipython-input-18-4144783655.py", line 1
    welcome to hyd

SyntaxError: invalid syntax

In [ ]: 'welcome to hyd' # single line string or usage of single quotes

Out[ ]: 'welcome to hyd'

In [ ]: "welcome to hyd" #double quotes for single line string

Out[ ]: 'welcome to hyd'

In [ ]: '''welcome to hyd''' #multi line quotes

Out[ ]: 'welcome to hyd'
```

```
In [ ]: '''Hi
        I am Mercy
        Glad to see you''' #multiline quotes for multiple line string
Out[]: 'hi\ni am Mercy\nGlad to see you'
In [2]: '1975' # digits and numericals enclosed in quotes are also strings.
Out[2]: '1975'
In [3]:
        'doesn\'t' #use \' to escape the single quote
Out[3]: "doesn't"
In [4]: "doesn\'t" # or use double quotes instead
Out[4]:
        "doesn't"
In [5]: '"Yes," they said'
Out[5]: '"Yes," they said'
In [6]: "\"Yes,\"they said"
Out[6]: '"Yes,"they said'
In [ ]:
In [ ]:
        slicing concept
```