**How to create virtual environment in vscode**

* python -m venv venv #*creating the virtual environment*
* .\venv\Scripts\Activate.ps1
* pip install pandas

Any() all() - if it matches any of them or all of the

Filter() – selectively removes and keep data values

Map() – transforms values from one format to another

Sorted() – to sort list of string // sorted(x)

Min(), max() can alse be used for strings :   
x=[“abcdrfg”, “hello”, “Baby”]  
min(x) will give abc // alphabetically  
min(x,key=len) will give Baby // we have use the key as len

**Filter()** // has two parameters. 1st one is the function that return true or false ans second is the list on which we want to apply filter  
Ex = L=[1,2,3,4]

def odd(x):

    if x&1==1:

        return True

    return False

value=(1,2,5,3,8,9,10)

print(list(filter(odd,value)))

We need to convert the returned object to list to get the values.

**MAP()** // whenever we want to transform the data

value=(1,2,5,3,8,9,10)

def sq(x):

    return x\*x

print(list(map(sq,value)))