```
In [1]:
        Q1 - Write a Python program to find those numbers which are divisible by 7
        and multiples of 5, between 1500 and 2700 (both included).
        # Create an empty list to store numbers that meet the given conditions
        nl = []
        # Iterate through numbers from 1500 to 2700 (inclusive)
        for x in range(1500, 2701):
            # Check if the number is divisible by 7 and 5 without any remainder
            if (x \% 7 == 0) and (x \% 5 == 0):
                # If the conditions are met, convert the number to a string and append it to the list
                nl.append(str(x))
        # Join the numbers in the list with a comma and print the result
        print(','.join(nl))
        1505, 1540, 1575, 1610, 1645, 1680, 1715, 1750, 1785, 1820, 1855, 1890, 1925, 1960, 1995, 2030, 2065, 2100, 2135, 2170, 2205, 2240, 2275, 2310, 23
        45,2380,2415,2450,2485,2520,2555,2590,2625,2660,2695
In [2]:
        02 - Write a Python function that takes a sequence of numbers and determines
        whether all the numbers are different from each other.
        # Define a function named test distinct that takes a list 'data' as a parameter.
        def test_distinct(data):
            # Check if the length of the list is equal to the length of the set created from the list.
            if len(data) == len(set(data)):
                 # If the lengths are equal, it means all elements in the list are distinct.
                 return True
            else:
                 # If the lengths are not equal, there are duplicate elements in the list.
                 return False
        # Call the test distinct function with a list [1, 5, 7, 9] and print the result.
        print(test_distinct([1, 5, 7, 9]))
        # Call the test distinct function with a list [2, 4, 5, 5, 7, 9] and print the result.
        print(test distinct([2, 4, 5, 5, 7, 9]))
        True
        False
```

```
In [7]: from itertools import permutations

# Define the vowels
vowels = ['a', 'e', 'i', 'o', 'I']

# Generate all permutations of the vowels
perms = permutations(vowels)
print(type(perms))

# Iterate through the permutations and join the characters to form strings
for perm in perms:
    print(perm)
    print(''.join(perm))
```

```
<class 'itertools.permutations'>
('a', 'e', 'i', 'o', 'I')
aeioI
('a', 'e', 'i', 'I', 'o')
aeiIo
('a', 'e', 'o', 'i', 'I')
aeoiI
('a', 'e', 'o', 'I', 'i')
aeoIi
('a', 'e', 'I', 'i', 'o')
aeIio
('a', 'e', 'I', 'o', 'i')
aeIoi
('a', 'i', 'e', 'o', 'I')
aieoI
('a', 'i', 'e', 'I', 'o')
aieIo
('a', 'i', 'o', 'e', 'I')
aioeI
('a', 'i', 'o', 'I', 'e')
aioIe
('a', 'i', 'I', 'e', 'o')
aiIeo
('a', 'i', 'I', 'o', 'e')
aiIoe
('a', 'o', 'e', 'i', 'I')
aoeiI
('a', 'o', 'e', 'I', 'i')
aoeIi
('a', 'o', 'i', 'e', 'I')
aoieI
('a', 'o', 'i', 'I', 'e')
aoiIe
('a', 'o', 'I', 'e', 'i')
aoIei
('a', 'o', 'I', 'i', 'e')
aoIie
('a', 'I', 'e', 'i', 'o')
aIeio
('a', 'I', 'e', 'o', 'i')
aIeoi
('a', 'I', 'i', 'e', 'o')
aIieo
('a', 'I', 'i', 'o', 'e')
aIioe
```

```
('a', 'I', 'o', 'e', 'i')
aIoei
('a', 'I', 'o', 'i', 'e')
aIoie
('e', 'a', 'i', 'o', 'I')
eaioI
('e', 'a', 'i', 'I', 'o')
eaiIo
('e', 'a', 'o', 'i', 'I')
eaoiI
('e', 'a', 'o', 'I', 'i')
eaoIi
('e', 'a', 'I', 'i', 'o')
eaIio
('e', 'a', 'I', 'o', 'i')
eaIoi
('e', 'i', 'a', 'o', 'I')
eiaoI
('e', 'i', 'a', 'I', 'o')
eiaIo
('e', 'i', 'o', 'a', 'I')
eioaI
('e', 'i', 'o', 'I', 'a')
eioIa
('e', 'i', 'I', 'a', 'o')
eiIao
('e', 'i', 'I', 'o', 'a')
eiIoa
('e', 'o', 'a', 'i', 'I')
eoaiI
('e', 'o', 'a', 'I', 'i')
eoaIi
('e', 'o', 'i', 'a', 'I')
eoiaI
('e', 'o', 'i', 'I', 'a')
eoiIa
('e', 'o', 'I', 'a', 'i')
eoIai
('e', 'o', 'I', 'i', 'a')
eoIia
('e', 'I', 'a', 'i', 'o')
eIaio
('e', 'I', 'a', 'o', 'i')
eIaoi
('e', 'I', 'i', 'a', 'o')
```

```
eIiao
('e', 'I', 'i', 'o', 'a')
eIioa
('e', 'I', 'o', 'a', 'i')
eIoai
('e', 'I', 'o', 'i', 'a')
eIoia
('i', 'a', 'e', 'o', 'I')
iaeoI
('i', 'a', 'e', 'I', 'o')
iaeIo
('i', 'a', 'o', 'e', 'I')
iaoeI
('i', 'a', 'o', 'I', 'e')
iaoIe
('i', 'a', 'I', 'e', 'o')
iaIeo
('i', 'a', 'I', 'o', 'e')
iaIoe
('i', 'e', 'a', 'o', 'I')
ieaoI
('i', 'e', 'a', 'I', 'o')
ieaIo
('i', 'e', 'o', 'a', 'I')
ieoaI
('i', 'e', 'o', 'I', 'a')
ieoIa
('i', 'e', 'I', 'a', 'o')
ieIao
('i', 'e', 'I', 'o', 'a')
ieIoa
('i', 'o', 'a', 'e', 'I')
ioaeI
('i', 'o', 'a', 'I', 'e')
ioaIe
('i', 'o', 'e', 'a', 'I')
ioeaI
('i', 'o', 'e', 'I', 'a')
ioeIa
('i', 'o', 'I', 'a', 'e')
ioIae
('i', 'o', 'I', 'e', 'a')
ioIea
('i', 'I', 'a', 'e', 'o')
iIaeo
```

('i', 'I', 'a', 'o', 'e') iIaoe ('i', 'I', 'e', 'a', 'o') iIeao ('i', 'I', 'e', 'o', 'a') iIeoa ('i', 'I', 'o', 'a', 'e') iIoae ('i', 'I', 'o', 'e', 'a') iIoea ('o', 'a', 'e', 'i', 'I') oaeiI ('o', 'a', 'e', 'I', 'i') oaeIi ('o', 'a', 'i', 'e', 'I') oaieI ('o', 'a', 'i', 'I', 'e') oaiIe ('o', 'a', 'I', 'e', 'i') oaIei ('o', 'a', 'I', 'i', 'e') oaIie ('o', 'e', 'a', 'i', 'I') oeaiI ('o', 'e', 'a', 'I', 'i') oeaIi ('o', 'e', 'i', 'a', 'I') oeiaI ('o', 'e', 'i', 'I', 'a') oeiIa ('o', 'e', 'I', 'a', 'i') oeIai ('o', 'e', 'I', 'i', 'a') oeIia ('o', 'i', 'a', 'e', 'I') oiaeI ('o', 'i', 'a', 'I', 'e') oiaIe ('o', 'i', 'e', 'a', 'I') oieaI ('o', 'i', 'e', 'I', 'a') oieIa ('o', 'i', 'I', 'a', 'e') oiIae ('o', 'i', 'I', 'e', 'a')

oiIea ('o', 'I', 'a', 'e', 'i') oIaei ('o', 'I', 'a', 'i', 'e') oIaie ('o', 'I', 'e', 'a', 'i') oIeai ('o', 'I', 'e', 'i', 'a') oIeia ('o', 'I', 'i', 'a', 'e') oIiae ('o', 'I', 'i', 'e', 'a') oIiea ('I', 'a', 'e', 'i', 'o') Iaeio ('I', 'a', 'e', 'o', 'i') Iaeoi ('I', 'a', 'i', 'e', 'o') Iaieo ('I', 'a', 'i', 'o', 'e') Iaioe ('I', 'a', 'o', 'e', 'i') Iaoei ('I', 'a', 'o', 'i', 'e') Iaoie ('I', 'e', 'a', 'i', 'o') Ieaio ('I', 'e', 'a', 'o', 'i') Ieaoi ('I', 'e', 'i', 'a', 'o') Ieiao ('I', 'e', 'i', 'o', 'a') Ieioa ('I', 'e', 'o', 'a', 'i') Ieoai ('I', 'e', 'o', 'i', 'a') Ieoia ('I', 'i', 'a', 'e', 'o') Iiaeo ('I', 'i', 'a', 'o', 'e') Iiaoe ('I', 'i', 'e', 'a', 'o') Iieao ('I', 'i', 'e', 'o', 'a') Iieoa

```
('I', 'i', 'o', 'a', 'e')
         Iioae
         ('I', 'i', 'o', 'e', 'a')
         Iioea
         ('I', 'o', 'a', 'e', 'i')
         Ioaei
         ('I', 'o', 'a', 'i', 'e')
         Ioaie
         ('I', 'o', 'e', 'a', 'i')
         Ioeai
         ('I', 'o', 'e', 'i', 'a')
         Ioeia
         ('I', 'o', 'i', 'a', 'e')
         Ioiae
         ('I', 'o', 'i', 'e', 'a')
         Ioiea
In [12]: #How to create a series from a list, numpy array and dict?
         import numpy as np
         import pandas as pd
         mylist = list('abcedfghijklmnopqrstuvwxyz') #list
         myarr = np.arange(26) # numpy array
         print(myarr)
         print(type(myarr))
         mydict=dict(zip(mylist,myarr)) #Using zip function we are creating a dictionary using list and np array
         print(mydict)
         ser1 = pd.Series(mylist)
         print(ser1)
         ser2 = pd.Series(myarr)
         print(ser2)
         ser3 = pd.Series(mydict)
         print(ser3)
```

```
[ 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25]
<class 'numpy.ndarray'>
{'a': 0, 'b': 1, 'c': 2, 'e': 3, 'd': 4, 'f': 5, 'g': 6, 'h': 7, 'i': 8, 'j': 9, 'k': 10, 'l': 11, 'm': 12, 'n': 13, 'o':
14, 'p': 15, 'q': 16, 'r': 17, 's': 18, 't': 19, 'u': 20, 'v': 21, 'w': 22, 'x': 23, 'y': 24, 'z': 25}
1
     b
2
     C
3
     е
     d
     f
     g
7
     h
8
     i
9
     j
10
    k
11
    1
12
     m
13
     n
14
    . . 0
15
     р
16
    . . q
17
     r
18
     S
    t
19
20
     u
21
   . . V
22
    W
23
    X
24
     У
25
    Z
dtype: object
      0
0
      1
1
2
      2
3
      3
      4
      5
6
      6
7
      7
8
      8
9
      9
10
     10
     11
11
12
     12
```

```
13
     13
14
     14
15
     15
16
     16
17
     17
18
     18
19
     19
20
     20
21
     21
22
     22
23
     23
24
     24
     25
25
dtype: int32
     0
a
b
     1
     2
C
e
     3
     4
d
     5
     6
    . 7
h
i
     8
     9
    10
1
    11
    12
m
    13
n
    14
0
    15
    16
    17
r
S
    18
t
    19
u
    20
    21
٧
    22
W
    23
Χ
    24
У
    25
Z
dtype: int32
```

In [24]: #How to convert the index of a series into a column of a dataframe?
mylist=list('abcedfghijklmnopqrstuvwxyz')
ser1=pd.Series(mylist)

```
df = ser1.to_frame().reset_index()
         print(df.head())
            index 0
                0 a
         1
                1 b
                2 c
                3 e
                4 d
In [28]: # How to combine many series to form a dataframe?
         mylist = list('abcedfghijklmnopqrstuvwxyz') #list
         myarr = np.arange(26) # numpy array
         mydict=dict(zip(mylist,myarr))
         ser1 = pd.Series(mylist)
         ser2 = pd.Series(myarr)
         #1st Approach
         df = pd.concat([ser1,ser2],axis=1)
         print(df)
         #2nd Approach
         df2 = pd.DataFrame({'col1':ser1,'col2':ser2})
         print(df2)
```

```
17
                    17
               r
         18
                    18
               S
         19
               t
                    19
         20
                     20
         21
                     21
         22
                     22
         23
               Х
                    23
         24
               У
                     24
         25
               Z
                     25
         #How to assign name to the series' index?
In [32]:
         mylist = list('abcedfghijklmnopqrstuvwxyz') #list
          ser1 = pd.Series(mylist)
          ser1.name='alphabets'
          ser1.head()
              а
Out[32]:
              b
         2
              C
         3
              е
              d
         Name: alphabets, dtype: object
In [39]: # How to get the items of series A not present in series B?
         ser1 = pd.Series([1, 2, 3, 4, 5])
         ser2 = pd.Series([4, 5, 6, 7, 8])
         ser1[~ser1.isin(ser2)]
              1
Out[39]:
              2
              3
         dtype: int64
         #How to get the minimum, 25th percentile, median, 75th, and max of a numeric series?
In [48]:
         ser = pd.Series(np.random.normal(10, 5, 25))
          print(np.min(ser))
          print(np.max(ser))
          print(np.median(ser))
          print(np.mean(ser))
          print(np.percentile(ser,q=[0,25,50,75,100]))
         #print(np.std())
          print(dir(ser))
          print(ser.std())
```

2.4002721685099786 16.522655178218898 8.656145903268987

8.714305100051948 [2.40027217 5.74754928 8.6561459 10.93427329 16.52265518] ['T', '_AXIS_LEN', '_AXIS_ORDERS', '_AXIS_TO_AXIS_NUMBER', '_HANDLED_TYPES', '__abs__', '__add__', '__and__', '__annotatio '__array_priority__', '__array_ufunc__', '__bool__', '__class__', '__contains__', '__copy__', '__delattr__', '__delitem__', '__dict__', '__dir__', '__divmod__', '__doc__', _ge__', '__getattr__', '__getattribute__', '__getitem__', '__getstate__' '__ifloordiv__', '__imod__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__itruediv__', '__ixor__', ' '_neg__', '__new__', '__nonzero__', ' _module___' _', '__radd__', '__rand__', '__rdivmod__', '__reduce__', '__reduce_ex__', '__repr__', '__rfloordiv__', '__rmatmul__', mod_', '__rmul_', '__ror__', '__rsub__', '__rtruediv__', '__rxor__', '__setattr__', '__rpow__', '__round__', _', '__setstate__', '__sizeof__', '__str__', '__sub__', '__subclasshook__', '__truediv__', '__weakref__', '__xor__', '__acc essors', '_accum_func', '_add_numeric_operations', '_agg_examples_doc', '_agg_see_also_doc', '_align_frame', '_align_serie s', '_append', '_arith_method', '_as_manager', '_attrs', '_binop', '_can_hold_na', '_check_inplace_and_allows_duplicate_la bels', '_check_inplace_setting', '_check_is_chained_assignment_possible', '_check_label_or_level_ambiguity', '_check_setit em_copy', '_clear_item_cache', '_clip_with_one_bound', '_clip_with_scalar', '_cmp_method', '_consolidate', '_consolidate_i nplace', '_construct_axes_dict', '_construct_result', '_constructor', '_constructor_expanddim', '_convert_dtypes', '_dat a', '_dir_additions', '_dir_deletions', '_drop_axis', '_drop_labels_or_levels', '_duplicated', '_find_valid_index', '_flag s', '_get_axis', '_get_axis_name', '_get_axis_number', '_get_axis_resolvers', '_get_block_manager_axis', '_get_bool_data', '_get_cacher', '_get_cleaned_column_resolvers', '_get_index_resolvers', '_get_label_or_level_values', '_get_numeric_data', '_get_value', '_get_values', '_get_values_tuple', '_get_with', '_gotitem', '_hidden_attrs', '_indexed_same', '_info_axis', '_info_axis_name', '_info_axis_number', '_init_dict', '_init_mgr', '_inplace_method', '_internal_names', '_internal_names_ set', '_is_cached', '_is_copy', '_is_label_or_level_reference', '_is_label_reference', '_is_level_reference', '_is_mixed_t ype', '_is_view', '_item_cache', '_ixs', '_logical_func', '_logical_method', '_map_values', '_maybe_update_cacher', '_memo ry_usage', '_metadata', '_mgr', '_min_count_stat_function', '_name', '_needs_reindex_multi', '_protect_consolidate', '_red uce', '_references', '_reindex_axes', '_reindex_indexer', '_reindex_multi', '_reindex_with_indexers', '_rename', '_replace _single', '_repr_data_resource_', '_repr_latex_', '_reset_cache', '_reset_cacher', '_set_as_cached', '_set_axis', '_set_ax is_name', '_set_axis_nocheck', '_set_is_copy', '_set_labels', '_set_name', '_set_value', '_set_values', '_set_with', '_set _with_engine', '_slice', '_stat_axis', '_stat_axis_name', '_stat_axis_number', '_stat_function', '_stat_function_ddof', '_ take', '_take_with_is_copy', '_to_latex_via_styler', '_typ', '_update_inplace', '_validate_dtype', '_values', '_where', 'a bs', 'add', 'add prefix', 'add suffix', 'agg', 'aggregate', 'align', 'all', 'any', 'apply', 'argmax', 'argmin', 'argsort', 'array', 'asfreq', 'asof', 'astype', 'at', 'at time', 'attrs', 'autocorr', 'axes', 'backfill', 'between', 'between time', 'bfill', 'bool', 'clip', 'combine', 'combine_first', 'compare', 'convert_dtypes', 'copy', 'corr', 'count', 'cov', 'cumma x', 'cummin', 'cumprod', 'cumsum', 'describe', 'diff', 'div', 'divide', 'divmod', 'dot', 'drop', 'drop duplicates', 'dropl evel', 'dropna', 'dtype', 'dtypes', 'duplicated', 'empty', 'eq', 'equals', 'ewm', 'expanding', 'explode', 'factorize', 'ff ill', 'fillna', 'filter', 'first', 'first_valid_index', 'flags', 'floordiv', 'ge', 'get', 'groupby', 'gt', 'hasnans', 'hea d', 'hist', 'iat', 'idxmax', 'idxmin', 'iloc', 'index', 'infer objects', 'info', 'interpolate', 'is monotonic decreasing', 'is_monotonic_increasing', 'is_unique', 'isin', 'isna', 'isnull', 'item', 'items', 'keys', 'kurt', 'kurtosis', 'last', 'la st_valid_index', 'le', 'loc', 'lt', 'map', 'mask', 'max', 'mean', 'median', 'memory_usage', 'min', 'mod', 'mode', 'mul', 'multiply', 'name', 'nbytes', 'ndim', 'ne', 'nlargest', 'notna', 'notnull', 'nsmallest', 'nunique', 'pad', 'pct change', 'pipe', 'plot', 'pop', 'pow', 'prod', 'product', 'quantile', 'radd', 'rank', 'ravel', 'rdiv', 'rdivmod', 'reindex', 'reind ex_like', 'rename', 'rename_axis', 'reorder_levels', 'repeat', 'replace', 'resample', 'reset_index', 'rfloordiv', 'rmod',

```
'rmul', 'rolling', 'round', 'rpow', 'rsub', 'rtruediv', 'sample', 'searchsorted', 'sem', 'set_axis', 'set_flags', 'shape',
         'shift', 'size', 'skew', 'sort_index', 'sort_values', 'squeeze', 'std', 'sub', 'subtract', 'sum', 'swapaxes', 'swaplevel',
         'tail', 'take', 'to_clipboard', 'to_csv', 'to_dict', 'to_excel', 'to_frame', 'to_hdf', 'to_json', 'to_latex', 'to_list',
         'to_markdown', 'to_numpy', 'to_period', 'to_pickle', 'to_sql', 'to_string', 'to_timestamp', 'to_xarray', 'transform', 'tra
         nspose', 'truediv', 'truncate', 'tz convert', 'tz localize', 'unique', 'unstack', 'update', 'value counts', 'values', 'va
         r', 'view', 'where', 'xs']
         3,6813612006094796
         #How to keep only top 2 most frequent values as it is and replace everything else as 'Other'?
In [57]:
         np.random.RandomState(100)
         \#np.random.randint(1, 5, [12]) \#input data to create a series
         ser = pd.Series(np.random.randint(1, 5, [12]))
         #print("Top 2 Freq:", ser.value counts())
         ser[~ser.isin(ser.value counts().index[:2])] = 'Other'
                   1
Out[57]:
                   4
                   4
                   4
                   1
         5
                   4
         6
               Other
         7
               Other
         8
               Other
         9
                   1
         10
         11
               Other
         dtype: object
In [62]: #How to bin a numeric series to 10 groups of equal size?
         Bin the series ser into 10 equal deciles and replace the values with the bin name.
         Desired Output
         # First 5 items
              7th
              9th
              7th
              3rd
              8th
         dtype: category
         Categories (10, object): [1st < 2nd < 3rd < 4th ... 7th < 8th < 9th < 10th]
         ser = pd.Series(np.random.random(20))
         #print(ser.head())
```

```
pd.qcut(ser,q=[0, .10, .20, .3, .4, .5, .6, .7, .8, .9, 1],
                labels=['1st', '2nd', '3rd', '4th', '5th', '6th', '7th', '8th', '9th', '10th'])
               8th
Out[62]:
               10th
         2
               3rd
         3
               1st
         4
               8th
         5
               9th
         6
               5th
         7
               9th
         8
               6th
         9
               5th
         10
               4th
         11
               7th
         12
               3rd
         13
               7th
         14
               6th
         15
               2nd
         16
             1st
         17
               4th
         18
              10th
         19
               2nd
         dtype: category
         Categories (10, object): ['1st' < '2nd' < '3rd' < '4th' ... '7th' < '8th' < '9th' < '10th']
In [63]: #How to convert a numpy array to a dataframe of given shape?
         ser = pd.Series(np.random.randint(1, 10, 35))
         df=pd.DataFrame(ser.values.reshape(7,5))
         df
Out[63]:
            0 1 2 3 4
         0 5 8 8 5 3
         1 3 1 7 8 5
         2 8 8 4 1 7
         3 8 2 8 3 3
         4 3 5 7 1 7
         5 4 5 4 5 8
         6 5 4 5 8 5
```

```
# Create a DataFrame from a NumPy array with custom column names.
In [64]:
          import pandas as pd
          import numpy as np
         # Create a NumPy array
          numpy array = np.array([[1, 2, 3], [4, 5, 6], [7, 8, 9]])
         # Define custom column names
          column names = ['Column1', 'Column2', 'Column3']
         # Create a DataFrame with custom column names
         df = pd.DataFrame(data=numpy array, columns=column names)
         # Display the DataFrame
         print(df)
            Column1 Column2 Column3
                  1
                           2
                  4 . . . . . . . . 5 . . . . . . . .
                           8
            . . . . . . 7 . . . . . . . .
In [67]: #Filtering rows based on a column condition in Pandas DataFrame
         # Create a sample DataFrame
          data = {'Name': ['Teodosija', 'Sutton', 'Taneli', 'Ravshan', 'Ross', 'Alice', 'Bob', 'Charlie', 'David', 'Emily'],
                  'Age': [26, 32, 25, 31, 28, 22, 35, 30, 40, 28],
                  'Salary': [50000, 60000, 45000, 70000, 55000, 60000, 70000, 55000, 75000, 65000]}
         df = pd.DataFrame(data)
         # Filter rows where Age is greater than 30
         filtered rows = df[df['Age'] > 30]
         # Display the filtered rows
          print(filtered_rows)
         df.head(7)
          df.tail(7)
               Name Age Salary
         1 Sutton
                     32 60000
         3 Ravshan 31 70000
         6
                Bob
                      35
                           70000
              David
                     40
                           75000
```

Name Age Salary

Out[67]:

```
3 Ravshan
                31 70000
                  55000
           Ross
                28
       5
           Alice
                22
                  60000
       6
                35 70000
           Bob
       7
          Charlie
                30
                  55000
       8
          David
                40 75000
       9
          Emily
                28 65000
      #Change the first character of each word to upper case in each word of ser.
In [73]:
       ser = pd.Series(['how', 'to', 'kick', 'ass?'])
       #Approach 1
       print(ser.map(lambda x: x.title()))
       #Approach 2
       print(ser.map(lambda x: x[0].upper() + x[1:]))
       #Approach 3
       pd.Series([i.title() for i in ser])
       0
           How
       1
            To
       2
          Kick
          Ass?
       dtype: object
       How
       1
            To
       2
          Kick
       3
          Ass?
       dtype: object
      How
Out[73]:
       1
            To
       2
          Kick
          Ass?
       dtype: object
```

In []: