In [11]:
```python
import csv
import requests
from bs4 import BeautifulSoup
from urllib.request import urlopen
import numpy as np
import pandas as pd
import re
```

In [12]:
```python
art = requests.get('http://services.runescape.com/m=itemdb_rs/catalogue?
cat=1')
soup = BeautifulSoup(art.text, 'html.parser')


# Data pages 1-41 first pages on each cateogery in the catalog

import pandas as pd
dfs = []
for page in range(0,42):
    url = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat={pag
e}'
    dflist = pd.read_html(url)
    for df in dflist:
        if df.size > 0:
            dfs.append(df)
            ds = pd.concat(dfs)
            print(ds)

# Cooking page 2
aart = requests.get('http://services.runescape.com/m=itemdb_rs/catalogu
e?cat=6&page=2')
ssoup = BeautifulSoup(aart.text, 'html.parser')

a = []
for roop in ssoup.find_all('span')[9:]:
    Item = roop.text
    print(Item)
    a.append((Item))

b = []
for make in ssoup.find_all('tr')[1:]:
        Price = make.find_all('td')[2].text
        print(Price)

        b.append((Price))

c = []
for rake in ssoup.find_all('tr')[1:]:
        Change = rake.find_all('a')[1].text
        print(Change)
        c.append((Change))

df1 = pd.DataFrame(a, columns=['Item'])
df2 = pd.DataFrame(b, columns=['Price'])
df3 = pd.DataFrame(c, columns=['Change'])

df1['Price'] = df2
df1['Change'] = df3


# Costumes 2-4
dfss = []
for page in range(2, 5):
    urll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=7&p
age={page}'
```

```python
        dflistt = pd.read_html(urll)
        for dff in dflistt:
            if dff.size > 0:
                dfss.append(dff)
                dss = pd.concat(dfss)
                print(dss)

# Crafting materials page 2
req = requests.get('http://services.runescape.com/m=itemdb_rs/catalogue?
cat=8&page=2')
craftmat = BeautifulSoup(req.text, 'html.parser')

aa = []
for k in craftmat.find_all('span')[9:]:
    Item = k.text
    print(Item)
    aa.append((Item))

bb = []
for l in craftmat.find_all('tr')[1:]:
            Price = l.find_all('td')[2].text
            print(Price)

            bb.append((Price))

cc = []
for m in craftmat.find_all('tr')[1:]:
            Change = m.find_all('a')[1].text
            print(Change)
            cc.append((Change))

df11 = pd.DataFrame(aa, columns=['Item'])
df22 = pd.DataFrame(bb, columns=['Price'])
df33 = pd.DataFrame(cc, columns=['Change'])

df11['Price'] = df22
df11['Change'] = df33

df11


# food and drink

dfsss = []
for page in range(2, 5):
    urlll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=12
&page={page}'
    dflisttt = pd.read_html(urlll)
    for dfff in dflisttt:
        if dfff.size > 0:
            dfsss.append(dfff)
            dsss = pd.concat(dfsss)
            print(dsss)

# Herb page 2
reqq = requests.get('http://services.runescape.com/m=itemdb_rs/catalogu
e?cat=13&page=2')
```

```python
herbmat = BeautifulSoup(reqq.text, 'html.parser')

aaa = []
for kk in herbmat.find_all('span')[9:]:
    Item = kk.text
    print(Item)
    aaa.append((Item))

bbb = []
for ll in herbmat.find_all('tr')[1:]:
        Price = ll.find_all('td')[2].text
        print(Price)

        bbb.append((Price))

ccc = []
for mm in herbmat.find_all('tr')[1:]:
        Change = mm.find_all('a')[1].text
        print(Change)
        ccc.append((Change))

df111 = pd.DataFrame(aaa, columns=['Item'])
df222 = pd.DataFrame(bbb, columns=['Price'])
df333 = pd.DataFrame(ccc, columns=['Change'])

df111['Price'] = df222
df111['Change'] = df333


# Jewel
reqqq = requests.get('http://services.runescape.com/m=itemdb_rs/catalogu
e?cat=16&page=2')
jewel = BeautifulSoup(reqqq.text, 'html.parser')

aaaa = []
for kkk in jewel.find_all('span')[9:]:
    Item = kkk.text
    print(Item)
    aaaa.append((Item))

bbbb = []
for lll in jewel.find_all('tr')[1:]:
        Price = lll.find_all('td')[2].text
        print(Price)

        bbbb.append((Price))

cccc = []
for mmm in jewel.find_all('tr')[1:]:
        Change = mmm.find_all('a')[1].text
        print(Change)
        cccc.append((Change))

df1111 = pd.DataFrame(aaaa, columns=['Item'])
df2222 = pd.DataFrame(bbbb, columns=['Price'])
df3333 = pd.DataFrame(cccc, columns=['Change'])
```

```python
df1111['Price'] = df2222
df1111['Change'] = df3333



#Mage
reqqqq = requests.get('http://services.runescape.com/m=itemdb_rs/catalog
ue?cat=17&page=2')
mage = BeautifulSoup(reqqqq.text, 'html.parser')

aaaaa = []
for kkkk in mage.find_all('span')[9:]:
    Item = kkkk.text
    print(Item)
    aaaaa.append((Item))

bbbbb = []
for llll in mage.find_all('tr')[1:]:
        Price = llll.find_all('td')[2].text
        print(Price)

        bbbbb.append((Price))

ccccc = []
for mmmm in mage.find_all('tr')[1:]:
        Change = mmmm.find_all('a')[1].text
        print(Change)
        ccccc.append((Change))

df11111 = pd.DataFrame(aaaaa, columns=['Item'])
df22222 = pd.DataFrame(bbbbb, columns=['Price'])
df33333 = pd.DataFrame(ccccc, columns=['Change'])

df11111['Price'] = df22222
df11111['Change'] = df33333

df11111


# Melee high level
dfssss = []
for page in range(2, 4):
    urllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=2
1&page={page}'
    dflistttt = pd.read_html(urllll)
    for dffff in dflistttt:
        if dffff.size > 0:
            dfssss.append(dffff)
            dssss = pd.concat(dfssss)
            print(dssss)

# Melee low level
dfsssss = []
for page in range(2, 4):
    urlllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=
19&page={page}'
    dflisttttt = pd.read_html(urlllll)
```

```python
    for dfffff in dflisttttt:
        if dfffff.size > 0:
            dfsssss.append(dfffff)
            dsssss = pd.concat(dfsssss)
            print(dsssss)

# Melee arm mid
dfsssssss = []
for page in range(2, 4):
    urllllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=20&page={page}'
    dflisttttttt = pd.read_html(urllllll)
    for dffffff in dflisttttttt:
        if dffffff.size > 0:
            dfsssssss.append(dffffff)
            dsssss = pd.concat(dfsssssss)
            print(dsssssss)

# Melee wep high
dfssssssssss = []
for page in range(2,3):
    urlllllllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=24&page={page}'
    dflisttttttttt = pd.read_html(urlllllllll)
    for dffffffffff in dflisttttttttt:
        if dfffffffff.size > 0:
            dfssssssss.append(dfffffffff)
            dssssssss = pd.concat(dfssssssss)
            print(dssssssss)

# Melee wep low
dfssssssssss = []
for page in range(2,4):
    urllllllllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=22&page={page}'
    dflisttttttttt = pd.read_html(urlllllllll)
    for dffffffffff in dflisttttttttt:
        if dffffffffff.size > 0:
            dfssssssssss.append(dffffffffff)
            dssssssssss = pd.concat(dfssssssssss)
            print(dsssssssss)

# Melee wep mid
dfssssssssssss = []
for page in range(2,3):
    urllllllllllll = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=23&page={page}'
    dflisttttttttttt = pd.read_html(urlllllllllll)
    for dfffffffffff in dflisttttttttttt:
        if dfffffffffff.size > 0:
            dfssssssssss.append(dfffffffffff)
            dsssssssssss = pd.concat(dfsssssssssss)
            print(dssssssssss)

# Misc 2-9
dfsssssssssssss = []
for page in range(2,10):
```

```python
    urllllllllllll = f'http://services.runescape.com/m=itemdb_rs/catalog
ue?cat=0&page={page}'
    dflisttttttttttt = pd.read_html(urllllllllllll)
    for dffffffffffff in dflisttttttttttt:
        if dffffffffffff.size > 0:
            dfsssssssssss.append(dffffffffffff)
            dsssssssssss = pd.concat(dfsssssssssss)
            print(dsssssssssss)


# potions 2-5
emp  = []
for page in range(2,6):
    link = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=26&
page={page}'
    listt = pd.read_html(link)
    for dframe in listt:
        if dframe.size > 0:
            emp.append(dframe)
            dset = pd.concat(emp)
            print(dset)


# range arm
empp  = []
for page in range(2,3):
    linkk = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=29
&page={page}'
    listtt = pd.read_html(linkk)
    for dframee in listtt:
        if dframee.size > 0:
            empp.append(dframee)
            dsett = pd.concat(empp)
            print(dsett)


# Salvage
emppp  = []
for page in range(2,3):
    linkkk = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=3
9&page={page}'
    listttt = pd.read_html(linkkk)
    for dframeee in listttt:
        if dframeee.size > 0:
            emppp.append(dframeee)
            dsettt = pd.concat(emppp)
            print(dsettt)


#tools and con 2-3
empppp  = []
for page in range(2,4):
    linkkkk = f'http://services.runescape.com/m=itemdb_rs/catalogue?cat=
35&page={page}'
    listttttt = pd.read_html(linkkkk)
    for dframeeee in listttttt:
        if dframeeee.size > 0:
            empppp.append(dframeeee)
            dsettttt = pd.concat(empppp)
            print(dsettttt)
```

```
dataseta = ds.append(df1)
datasetb = dataseta.append(dss)
datasetc = datasetb.append(df11)
datasetd = datasetc.append(dfsss)
datasete = datasetd.append(df111)
datasetf = datasete.append(df1111)
datasetg = datasetf.append(df11111)
dataseth = datasetg.append(dfssss)
dataseti = dataseth.append(dfsssss)
datasetj = dataseti.append(dfssssss)
datasetk = datasetj.append(dfsssssss)
datasetl = datasetk.append(dfssssssssss)
datasetm = datasetl.append(dfsssssssssss)
datasetn = datasetm.append(dset)
dataseto = datasetn.append(dsett)
datasetp = dataseto.append(dsettt)
datasetq = datasetp.append(dsettttt)
```

```
                              Item  Unnamed: 1 Price Change
0   'Ancient gizmos' bluepri...         NaN  5.0m      0
1   'Ancient tools' blueprin...         NaN  5.0m      0
2   'XP Capacitor' blueprint...         NaN  5.0m      0
3   A mis-fortune from The M...         NaN    37      0
4   A mis-fortune from The M...         NaN    31      0
..                         ...         ...   ...    ...
95  Barbarian assault ticket...         NaN  1388      0
96  Barbarian assault ticket...         NaN  2329      0
97  Barbarian assault ticket...         NaN  2351      0
98  Barbarian assault ticket...         NaN  4272      0
99  Barbarian assault ticket...         NaN  4777      0

[100 rows x 4 columns]
                              Item  Unnamed: 1 Price Change
0   'Ancient gizmos' bluepri...         NaN  5.0m      0
1   'Ancient tools' blueprin...         NaN  5.0m      0
2   'XP Capacitor' blueprint...         NaN  5.0m      0
3   A mis-fortune from The M...         NaN    37      0
4   A mis-fortune from The M...         NaN    31      0
..                         ...         ...   ...    ...
82            Steel throwing axe         NaN   106      0
83                  Tarromin tar         NaN   157      0
84                  Toktz-xil-ul         NaN   141      0
85            Viridian skillchompa        NaN   523    +25
86                 Wyvern spines         NaN   231      0

[187 rows x 4 columns]
                              Item  Unnamed: 1 Price Change
0   'Ancient gizmos' bluepri...         NaN  5.0m      0
1   'Ancient tools' blueprin...         NaN  5.0m      0
2   'XP Capacitor' blueprint...         NaN  5.0m      0
3   A mis-fortune from The M...         NaN    37      0
4   A mis-fortune from The M...         NaN    31      0
..                         ...         ...   ...    ...
26             Steel fire arrows         NaN   441      0
27             Steel fire arrows         NaN   534      0
28        Unlit dark fire arrows         NaN    20      0
29                    Wild arrow         NaN    89      0
30                Zamorak arrows         NaN    79     +2

[218 rows x 4 columns]
                              Item  Unnamed: 1 Price Change
0   'Ancient gizmos' bluepri...         NaN  5.0m      0
1   'Ancient tools' blueprin...         NaN  5.0m      0
2   'XP Capacitor' blueprint...         NaN  5.0m      0
3   A mis-fortune from The M...         NaN    37      0
4   A mis-fortune from The M...         NaN    31      0
..                         ...         ...   ...    ...
51             Sapphire bolts (e)         NaN    81      0
52                  Silver bolts         NaN    38      0
53                   Steel bolts         NaN    54    - 1
54                   Topaz bolts         NaN    86      0
55               Topaz bolts (e)         NaN    59      0

[274 rows x 4 columns]
                              Item  Unnamed: 1 Price Change
```

```
0    'Ancient gizmos' bluepri...          NaN   5.0m        0
1    'Ancient tools' blueprin...          NaN   5.0m        0
2    'XP Capacitor' blueprint...          NaN   5.0m        0
3    A mis-fortune from The M...          NaN    37         0
4    A mis-fortune from The M...          NaN    31         0
..                          ...          ...    ...       ...
15                Shark jawbone          NaN   139       − 5
16              Ship figurehead          NaN    50       − 3
17                  Steel nails          NaN    34         0
18                   Teak plank          NaN   343       − 5
19              Telescope lenses          NaN    46       − 2

[294 rows x 4 columns]
                         Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...          NaN   5.0m        0
1    'Ancient tools' blueprin...          NaN   5.0m        0
2    'XP Capacitor' blueprint...          NaN   5.0m        0
3    A mis-fortune from The M...          NaN    37         0
4    A mis-fortune from The M...          NaN    31         0
..                          ...          ...    ...       ...
77             Wood kitchen table          NaN    5         0
78                   Wooden bed          NaN  1469         0
79                 Wooden bench          NaN    10         0
80              Wooden bookcase          NaN     3         0
81                 Wooden chair          NaN    58         0

[376 rows x 4 columns]
                         Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...          NaN   5.0m        0
1    'Ancient tools' blueprin...          NaN   5.0m        0
2    'XP Capacitor' blueprint...          NaN   5.0m        0
3    A mis-fortune from The M...          NaN    37         0
4    A mis-fortune from The M...          NaN    31         0
..                          ...          ...    ...       ...
95            Raw malletops meat          NaN  18.9k    − 741
96                Raw manta ray          NaN  2240      +92
97                 Raw monkfish          NaN  1169      +15
98                  Raw mud pie          NaN  3066         0
99   Raw oculi apoterrasaur m...          NaN  17.2k    − 626

[476 rows x 4 columns]
                         Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...          NaN   5.0m        0
1    'Ancient tools' blueprin...          NaN   5.0m        0
2    'XP Capacitor' blueprint...          NaN   5.0m        0
3    A mis-fortune from The M...          NaN    37         0
4    A mis-fortune from The M...          NaN    31         0
..                          ...          ...    ...       ...
95               Fremennik boots          NaN   221         0
96               Fremennik cloak          NaN   699         0
97               Fremennik cloak          NaN    82         0
98               Fremennik cloak          NaN   707         0
99               Fremennik cloak          NaN   753         0

[576 rows x 4 columns]
                         Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...          NaN   5.0m        0
```

```
1    'Ancient tools' blueprin...      NaN   5.0m       0
2    'XP Capacitor' blueprint...      NaN   5.0m       0
3    A mis-fortune from The M...      NaN     37       0
4    A mis-fortune from The M...      NaN     31       0
..                          ...      ...    ...     ...
95             Sliskean essence      NaN   8.6m       0
96   Small crate (classic com...      NaN   1000       0
97   Small crate (historic co...      NaN   1000       0
98   Small crate (timeworn co...      NaN   1000       0
99   Small crate (vintage com...      NaN   1000       0

[676 rows x 4 columns]
                        Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m        0
1    'Ancient tools' blueprin...      NaN   5.0m        0
2    'XP Capacitor' blueprint...      NaN   5.0m        0
3    A mis-fortune from The M...      NaN     37        0
4    A mis-fortune from The M...      NaN     31        0
..                          ...      ...    ...      ...
92            Void shifter pouch      NaN   5112        0
93            Void spinner pouch      NaN   9834        0
94            Void torcher pouch      NaN   6232        0
95            War tortoise pouch      NaN  15.6k     +744
96           Wolpertinger pouch      NaN   4189        0

[773 rows x 4 columns]
                        Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m        0
1    'Ancient tools' blueprin...      NaN   5.0m        0
2    'XP Capacitor' blueprint...      NaN   5.0m        0
3    A mis-fortune from The M...      NaN     37        0
4    A mis-fortune from The M...      NaN     31        0
..                          ...      ...    ...      ...
16                    Oak roots      NaN    732        0
17                     Rosemary      NaN    688        0
18                Willow branch      NaN   2222        0
19                 Willow roots      NaN    555        0
20                    Yew roots      NaN   1440        0

[794 rows x 4 columns]
                        Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m        0
1    'Ancient tools' blueprin...      NaN   5.0m        0
2    'XP Capacitor' blueprint...      NaN   5.0m        0
3    A mis-fortune from The M...      NaN     37        0
4    A mis-fortune from The M...      NaN     31        0
..                          ...      ...    ...      ...
85         Wolf bone arrowheads      NaN     21        0
86                Wooden stock      NaN     26        0
87            Yew shieldbow (u)      NaN    285        0
88            Yew shortbow (u)      NaN    340        0
89                    Yew stock      NaN    231        0

[884 rows x 4 columns]
                        Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m        0
1    'Ancient tools' blueprin...      NaN   5.0m        0
```

```
2    'XP Capacitor' blueprint...      NaN   5.0m      0
3    A mis-fortune from The M...      NaN    37       0
4    A mis-fortune from The M...      NaN    31       0
..                          ...      ...   ...     ...
95                  Cider (m4)        NaN   5000      0
96                        Cod         NaN    89       0
97            Cooked chicken          NaN    90       0
98            Cooked chompy           NaN   232       0
99          Cooked crab meat          NaN   324       0

[984 rows x 4 columns]
                         Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m      0
1    'Ancient tools' blueprin...      NaN   5.0m      0
2    'XP Capacitor' blueprint...      NaN   5.0m      0
3    A mis-fortune from The M...      NaN    37       0
4    A mis-fortune from The M...      NaN    31       0
..                          ...      ...   ...     ...
95                      Mango        NaN   5642      0
96      Marrentill potion (unf)      NaN   778       0
97          Mixture - step 1 (1)     NaN   2168      0
98          Mixture - step 1 (2)     NaN   4335      0
99          Mixture - step 1 (3)     NaN   4172      0

[1084 rows x 4 columns]
                         Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...      NaN   5.0m      0
1    'Ancient tools' blueprin...      NaN   5.0m      0
2    'XP Capacitor' blueprint...      NaN   5.0m      0
3    A mis-fortune from The M...      NaN    37       0
4    A mis-fortune from The M...      NaN    31       0
..                          ...      ...   ...     ...
30              Teasing stick        NaN   316       0
31                 White bead        NaN   865      26
32             Wood camo legs        NaN   947       0
33              Wood camo top        NaN  3333       0
34               Yellow bead        NaN   841       0

[1119 rows x 4 columns]
                         Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...      NaN    5.0m      0
1    'Ancient tools' blueprin...      NaN    5.0m      0
2    'XP Capacitor' blueprint...      NaN    5.0m      0
3    A mis-fortune from The M...      NaN     37       0
4    A mis-fortune from The M...      NaN     31       0
..                          ...      ...    ...     ...
46          Tatty larupia fur        NaN    325       0
47              Wimpy feather        NaN    666    - 8
48             Yellow feather        NaN     26       0
49          Young impling jar        NaN    711       0
50         Zombie impling jar        NaN   40.0k      0

[1170 rows x 4 columns]
                         Item  Unnamed: 1 Price  Change
0    'Ancient gizmos' bluepri...      NaN   5.0m       0
1    'Ancient tools' blueprin...      NaN   5.0m       0
2    'XP Capacitor' blueprint...      NaN   5.0m       0
```

```
3     A mis-fortune from The M...      NaN     37        0
4     A mis-fortune from The M...      NaN     31        0
..                          ...       ...    ...      ...
95            Ring of duelling (1)     NaN   4217        0
96            Ring of duelling (8)     NaN   2249    - 109
97               Ring of forging      NaN   1719      +11
98               Ring of Fortune      NaN   2.1m   +41.7k
99                  Ring of life      NaN   2329      +67

[1270 rows x 4 columns]
                            Item  Unnamed: 1   Price Change
0     'Ancient gizmos' bluepri...      NaN    5.0m        0
1     'Ancient tools' blueprin...      NaN    5.0m        0
2     'XP Capacitor' blueprint...      NaN    5.0m        0
3     A mis-fortune from The M...      NaN      37        0
4     A mis-fortune from The M...      NaN      31        0
..                          ...       ...     ...      ...
95               Hailfire boots      NaN   23.3m        0
96                     Hexcrest      NaN   18.4k     +318
97           Hood of subjugation      NaN  967.3k     +923
98                 Imphide boots      NaN     455       +6
99                Imphide gloves      NaN     403     - 11

[1370 rows x 4 columns]
                            Item  Unnamed: 1   Price Change
0     'Ancient gizmos' bluepri...      NaN    5.0m        0
1     'Ancient tools' blueprin...      NaN    5.0m        0
2     'XP Capacitor' blueprint...      NaN    5.0m        0
3     A mis-fortune from The M...      NaN      37        0
4     A mis-fortune from The M...      NaN      31        0
..                          ...       ...     ...      ...
79                  Wizard book      NaN     164      - 8
80                  Wizard wand      NaN    1096        0
81                   Wolf staff      NaN  441.2k        0
82               Zamorak crozier      NaN  449.4k        0
83                Zuriel's staff      NaN   11.3m        0

[1454 rows x 4 columns]
                            Item  Unnamed: 1   Price Change
0     'Ancient gizmos' bluepri...      NaN    5.0m        0
1     'Ancient tools' blueprin...      NaN    5.0m        0
2     'XP Capacitor' blueprint...      NaN    5.0m        0
3     A mis-fortune from The M...      NaN      37        0
4     A mis-fortune from The M...      NaN      31        0
..                          ...       ...     ...      ...
95               Black platebody      NaN    5451     - 32
96           Black platebody (g)      NaN   13.2k        0
97          Black platebody (h1)      NaN  481.9k        0
98          Black platebody (h2)      NaN  482.0k        0
99          Black platebody (h3)      NaN  485.6k        0

[1554 rows x 4 columns]
                            Item  Unnamed: 1   Price   Change
0     'Ancient gizmos' bluepri...      NaN    5.0m         0
1     'Ancient tools' blueprin...      NaN    5.0m         0
2     'XP Capacitor' blueprint...      NaN    5.0m         0
3     A mis-fortune from The M...      NaN      37         0
```

```
4     A mis-fortune from The M...      NaN       31        0
..                              ...    ...       ...      ...
95    Rune armour set + 3 (lg)...      NaN    281.5k   +11.1k
96    Rune armour set + 3 (sk)...      NaN    393.9k        0
97           Rune armoured boots       NaN     1676         0
98         Rune armoured boots + 1     NaN    14.3k         0
99         Rune armoured boots + 2     NaN    30.0k         0

[1654 rows x 4 columns]
                          Item  Unnamed: 1    Price  Change
0     'Ancient gizmos' bluepri...     NaN     5.0m        0
1     'Ancient tools' blueprin...     NaN     5.0m        0
2     'XP Capacitor' blueprint...     NaN     5.0m        0
3     A mis-fortune from The M...     NaN       37        0
4     A mis-fortune from The M...     NaN       31        0
..                              ...    ...      ...      ...
95          Elder rune gauntlets      NaN    10.3k        0
96    Elder rune gauntlets + 1...     NaN    66.1k        0
97    Elder rune gauntlets + 2...     NaN   275.7k        0
98    Elder rune gauntlets + 3...     NaN   677.6k        0
99    Elder rune gauntlets + 4...     NaN   345.1k        0

[1754 rows x 4 columns]
                          Item  Unnamed: 1 Price  Change
0     'Ancient gizmos' bluepri...     NaN   5.0m        0
1     'Ancient tools' blueprin...     NaN   5.0m        0
2     'XP Capacitor' blueprint...     NaN   5.0m        0
3     A mis-fortune from The M...     NaN     37        0
4     A mis-fortune from The M...     NaN     31        0
..                              ...    ...    ...      ...
95                  Egg whisk       NaN     31        0
96                 Frying pan       NaN   1127        0
97                Gadderhammer       NaN   2498        0
98              Guthix mjolnir       NaN   3319        0
99               Iron 2h sword       NaN   3969        0

[1854 rows x 4 columns]
                          Item  Unnamed: 1    Price  Change
0     'Ancient gizmos' bluepri...     NaN     5.0m        0
1     'Ancient tools' blueprin...     NaN     5.0m        0
2     'XP Capacitor' blueprint...     NaN     5.0m        0
3     A mis-fortune from The M...     NaN       37        0
4     A mis-fortune from The M...     NaN       31        0
..                              ...    ...      ...      ...
95    Rune off hand dagger + 2...     NaN    66.7k        0
96    Rune off hand dagger + 3...     NaN    44.5k        0
97        Rune off hand longsword     NaN    16.7k        0
98    Rune off hand longsword ...     NaN    33.9k        0
99    Rune off hand longsword ...     NaN    67.2k        0

[1954 rows x 4 columns]
                          Item  Unnamed: 1    Price  Change
0     'Ancient gizmos' bluepri...     NaN     5.0m        0
1     'Ancient tools' blueprin...     NaN     5.0m        0
2     'XP Capacitor' blueprint...     NaN     5.0m        0
3     A mis-fortune from The M...     NaN       37        0
4     A mis-fortune from The M...     NaN       31        0
```

```
..                         ...       ...    ...    ...
95            Saradomin sword       NaN   130.0k      0
96           Second-Age sword       NaN   154.2m      0
97       Spear of Annihilation     NaN    40.0m      0
98        Statius's warhammer      NaN    69.5m      0
99            Terrasaur maul       NaN   360.2m      0

[2054 rows x 4 columns]
                         Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...     NaN   5.0m      0
1    'Ancient tools' blueprin...     NaN   5.0m      0
2    'XP Capacitor' blueprint...     NaN   5.0m      0
3    A mis-fortune from The M...     NaN    37       0
4    A mis-fortune from The M...     NaN    31       0
..                         ...       ...    ...    ...
44             Sandstone (5kg)      NaN    50       0
45                 Silver bar       NaN   567     +21
46                 Silver ore       NaN   114       0
47                  Steel bar       NaN   677    - 17
48                    Tin ore       NaN   165      +1

[2103 rows x 4 columns]
                         Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...     NaN   5.0m      0
1    'Ancient tools' blueprin...     NaN   5.0m      0
2    'XP Capacitor' blueprint...     NaN   5.0m      0
3    A mis-fortune from The M...     NaN    37       0
4    A mis-fortune from The M...     NaN    31       0
..                         ...       ...    ...    ...
95           Energy potion (3)      NaN   403       0
96           Energy potion (4)      NaN   660       0
97        Enhanced luck potion      NaN  46.8k   - 471
98         Erzille potion (unf)     NaN   177       0
99          Fishing flask (6)       NaN  7253       0

[2203 rows x 4 columns]
                         Item  Unnamed: 1   Price    Change
0    'Ancient gizmos' bluepri...     NaN    5.0m        0
1    'Ancient tools' blueprin...     NaN    5.0m        0
2    'XP Capacitor' blueprint...     NaN    5.0m        0
3    A mis-fortune from The M...     NaN     37         0
4    A mis-fortune from The M...     NaN     31         0
..                         ...       ...     ...       ...
82             Zamorak page 3       NaN   204.5k       0
83             Zamorak page 4       NaN   205.9k       0
84          Zamorak robe legs      NaN   465.0k       0
85           Zamorak robe top      NaN   459.1k   - 1,744
86             Zamorak stole       NaN   449.0k       0

[2290 rows x 4 columns]
                         Item  Unnamed: 1  Price Change
0    'Ancient gizmos' bluepri...     NaN   5.0m      0
1    'Ancient tools' blueprin...     NaN   5.0m      0
2    'XP Capacitor' blueprint...     NaN   5.0m      0
3    A mis-fortune from The M...     NaN    37       0
4    A mis-fortune from The M...     NaN    31       0
..                         ...       ...    ...    ...
```

```
47              Willow pyre logs          NaN    3234       0
48                  Wolf bones            NaN    2594     +68
49                Wyvern bones            NaN   15.0k       0
50                 Yew pyre logs          NaN   13.2k       0
51                 Zogre bones            NaN    1215       0

[2342 rows x 4 columns]
                            Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...          NaN  5.0m       0
1    'Ancient tools' blueprin...          NaN  5.0m       0
2    'XP Capacitor' blueprint...          NaN  5.0m       0
3    A mis-fortune from The M...          NaN    37       0
4    A mis-fortune from The M...          NaN    31       0
..                          ...          ...   ...     ...
95          Green dragonhide coif         NaN  1457       0
96           Green dragonhide set         NaN  8811       0
97        Green dragonhide shield         NaN  5167     +56
98     Green dragonhide vambrac...         NaN  1067    – 18
99        Green spiky vambraces         NaN  1932       0

[2442 rows x 4 columns]
                            Item  Unnamed: 1   Price    Change
0    'Ancient gizmos' bluepri...          NaN    5.0m         0
1    'Ancient tools' blueprin...          NaN    5.0m         0
2    'XP Capacitor' blueprint...          NaN    5.0m         0
3    A mis-fortune from The M...          NaN      37         0
4    A mis-fortune from The M...          NaN      31         0
..                          ...          ...     ...       ...
85          Yew composite bow           NaN  458.6k   +20.3k
86              Yew shieldbow           NaN     873     – 32
87              Yew shortbow           NaN     951     – 42
88              Zamorak bow           NaN   473.8k   +6,646
89                Zaryte bow           NaN     6.7m  – 69.9k

[2532 rows x 4 columns]
                            Item  Unnamed: 1   Price Change
0    'Ancient gizmos' bluepri...          NaN    5.0m       0
1    'Ancient tools' blueprin...          NaN    5.0m       0
2    'XP Capacitor' blueprint...          NaN    5.0m       0
3    A mis-fortune from The M...          NaN      37       0
4    A mis-fortune from The M...          NaN      31       0
..                          ...          ...     ...     ...
26          Stone of binding           NaN  462.6k       0
27          Tectonic energy           NaN    1.1m       0
28                    Tiara           NaN      26       0
29            Water talisman           NaN    2481     – 2
30              Water tiara           NaN    3794       0

[2563 rows x 4 columns]
                            Item  Unnamed: 1 Price Change
0    'Ancient gizmos' bluepri...          NaN  5.0m       0
1    'Ancient tools' blueprin...          NaN  5.0m       0
2    'XP Capacitor' blueprint...          NaN  5.0m       0
3    A mis-fortune from The M...          NaN    37       0
4    A mis-fortune from The M...          NaN    31       0
..                          ...          ...   ...     ...
66          The Heart teleport          NaN  3364       0
```

```
67        Thieves' Guild teleport          NaN   2283       0
68             Varrock teleport            NaN   2754     +22
69           Watchtower teleport           NaN   4823       0
70                   Water rune            NaN     20       0

[2634 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...          NaN   5.0m       0
1    'Ancient tools' blueprin...          NaN   5.0m       0
2    'XP Capacitor' blueprint...          NaN   5.0m       0
3    A mis-fortune from The M...          NaN     37       0
4    A mis-fortune from The M...          NaN     31       0
..                         ...          ...    ...     ...
82             Wildblood seed            NaN    234       0
83                Willow seed            NaN    220     +10
84                  Woad seed            NaN    388       0
85             Yanillian seed            NaN    100       0
86                   Yew seed            NaN  18.8k   – 779

[2721 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...          NaN   5.0m       0
1    'Ancient tools' blueprin...          NaN   5.0m       0
2    'XP Capacitor' blueprint...          NaN   5.0m       0
3    A mis-fortune from The M...          NaN     37       0
4    A mis-fortune from The M...          NaN     31       0
..                         ...          ...    ...     ...
75             Unburden scroll           NaN     59       0
76        Vampyre Touch scroll           NaN    102       0
77            Venom Shot scroll          NaN     75       0
78   Volcanic Strength scroll...          NaN    258       0
79        Winter Storage scroll          NaN    291       0

[2801 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...          NaN   5.0m       0
1    'Ancient tools' blueprin...          NaN   5.0m       0
2    'XP Capacitor' blueprint...          NaN   5.0m       0
3    A mis-fortune from The M...          NaN     37       0
4    A mis-fortune from The M...          NaN     31       0
..                         ...          ...    ...     ...
95   Fragile cooking urn (nr)...          NaN   1020       0
96   Fragile divination urn (...          NaN    795       0
97   Fragile farming urn (nr)...          NaN    709       0
98   Fragile fishing urn (nr)...          NaN    932       0
99       Fragile hunter urn (nr)          NaN    780       0

[2901 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...          NaN   5.0m       0
1    'Ancient tools' blueprin...          NaN   5.0m       0
2    'XP Capacitor' blueprint...          NaN   5.0m       0
3    A mis-fortune from The M...          NaN     37       0
4    A mis-fortune from The M...          NaN     31       0
..                         ...          ...    ...     ...
14           Thatch spar (dense)         NaN     41       0
15           Thatch spar (light)         NaN     17       0
```

```
16       Thatch spar (medium)    NaN     15       0
17              Willow logs      NaN    317     – 13
18                 Yew logs      NaN    219     – 5

[2920 rows x 4 columns]
                          Item  Unnamed: 1   Price  Change
0    'Ancient gizmos' bluepri...    NaN    5.0m       0
1    'Ancient tools' blueprin...    NaN    5.0m       0
2    'XP Capacitor' blueprint...    NaN    5.0m       0
3    A mis-fortune from The M...     NaN     37        0
4    A mis-fortune from The M...     NaN     31        0
..                        ...     ...     ...     ...
15            Sign of respite I    NaN     783       0
16           Sign of respite II    NaN    1349       0
17          Sign of respite III    NaN    2419       0
18         Tree-shaking scrimshaw   NaN   525.8k      0
19   Whopper-baiting scrimsha...    NaN   895.5k      0

[2940 rows x 4 columns]
                          Item  Unnamed: 1 Price  Change
0    'Ancient gizmos' bluepri...    NaN    5.0m       0
1    'Ancient tools' blueprin...    NaN    5.0m       0
2    'XP Capacitor' blueprint...    NaN    5.0m       0
3    A mis-fortune from The M...     NaN     37        0
4    A mis-fortune from The M...     NaN     31        0
..                        ...     ...     ...     ...
12   Orichalcite stone spirit...    NaN    1937       0
13       Phasmatite stone spirit    NaN    1752     – 54
14          Runite stone spirit    NaN     405       0
15          Silver stone spirit    NaN      40       +2
16             Tin stone spirit    NaN     159       0

[2957 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...    NaN    5.0m       0
1    'Ancient tools' blueprin...    NaN    5.0m       0
2    'XP Capacitor' blueprint...    NaN    5.0m       0
3    A mis-fortune from The M...     NaN     37        0
4    A mis-fortune from The M...     NaN     31        0
..                        ...     ...     ...     ...
95   Small spiky steel salvag...    NaN     647       0
96   Tiny bladed adamant salv...    NaN    3931       0
97   Tiny bladed bronze salva...    NaN      47       0
98   Tiny bladed iron salvage...    NaN     166       0
99   Tiny bladed mithril salv...    NaN    1925       0

[3057 rows x 4 columns]
                          Item  Unnamed: 1  Price  Change
0    'Ancient gizmos' bluepri...    NaN    5.0m       0
1    'Ancient tools' blueprin...    NaN    5.0m       0
2    'XP Capacitor' blueprint...    NaN    5.0m       0
3    A mis-fortune from The M...     NaN     37        0
4    A mis-fortune from The M...     NaN     31        0
..                        ...     ...     ...     ...
27       Torstol incense sticks    NaN    14.9k      0
28       Wergali incense sticks    NaN    2576       0
29       Willow incense sticks    NaN     395       0
```

```
30           Wooden incense sticks       NaN     156        0
31              Yew incense sticks       NaN    1046        0

[3089 rows x 4 columns]
                             Item  Unnamed: 1  Price  Change
0     'Ancient gizmos' bluepri...        NaN   5.0m       0
1     'Ancient tools' blueprin...        NaN   5.0m       0
2      'XP Capacitor' blueprint...       NaN   5.0m       0
3      A mis-fortune from The M...       NaN     37        0
4      A mis-fortune from The M...       NaN     31        0
..                            ...        ...    ...      ...
35                  White marble        NaN   1737      +83
36                     White oak        NaN   1159      +56
37                  Wings of War        NaN   1575      +75
38                  Yu'biusk clay        NaN   1500        0
39              Zarosian insignia        NaN   1737      +83

[3129 rows x 4 columns]
Raw oomlie
Raw pavosaurus rex meat
Raw pike
Raw rabbit
Raw rainbow fish
Raw rat meat
Raw rocktail
Raw sailfish
Raw salmon
Raw sardine
Raw scimitops meat
Raw sea turtle
Raw shark
Raw shrimps
Raw spicati apoterrasaur...
Raw summer pie
Raw swordfish
Raw trout
Raw tuna
Raw ugthanki meat
Raw undead beef
Raw undead chicken
Raw wild pie
Raw wilder pie
Raw wolf meat
Raw yak meat
Redberries
Skewered beast
Skewered bird meat
Skewered chompy
Skewered rabbit
Sliced mushrooms
Slimy eel
Spice
Spider carcass
Spider on shaft
Spider on stick
Strawberry cream cheese
Sweetcorn
```

```
Thin snail
Uncooked apple pie
Uncooked berry pie
Uncooked cake
Uncooked curry
Uncooked egg
Uncooked meat pie
Uncooked pizza
Uncooked stew
Vanilla cream cheese
Wheat
Wildblood hops
Wrapped oomlie
Yanillian hops
English
873
18.5k
704
874
436
1,719
3,811
3,931
685
625
88.3k
915
1,716
515
198.8k
6,107
408
609
373
1,507
375
243
12.1k
20.4k
2,038
1,361
578
106
152
378
124
1,006
1,422
329
808
129
325
45
968
606
1,007
2,089
```

```
1,892
4,872
53
2,130
1,663
1,428
44
211
421
3,276
296
0
-  791
0
-  19
0
-  51
-  201
-  207
-  37
-  13
+2,047
0
-  39
0
+9,337
0
-  11
-  11
-  10
0
0
0
0
0
0
0
+25
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
```

```
0
0
0
+10
0
0
0
```

	Item	Unnamed: 1	Price	Change
0	Fremennik cloak	NaN	592	0
1	Fremennik cloak	NaN	610	0
2	Fremennik cloak	NaN	475	0
3	Fremennik cloak	NaN	42	0
4	Fremennik cloak	NaN	515	0
..	...	...	...	...
95	Pirate leggings (purple)...	NaN	546	0
96	Pirate leggings (red)	NaN	645	0
97	Pirate leggings (white)	NaN	54	0
98	Pirate shirt (blue)	NaN	1528	0
99	Pirate shirt (brown)	NaN	510	0

```
[100 rows x 4 columns]
```

	Item	Unnamed: 1	Price	Change
0	Fremennik cloak	NaN	592	0
1	Fremennik cloak	NaN	610	0
2	Fremennik cloak	NaN	475	0
3	Fremennik cloak	NaN	42	0
4	Fremennik cloak	NaN	515	0
..	...	...	...	...
95	Team-4 cape	NaN	524	0
96	Team-40 cape	NaN	329	0
97	Team-41 cape	NaN	667	0
98	Team-42 cape	NaN	504	0
99	Team-43 cape	NaN	273	0

```
[200 rows x 4 columns]
```

	Item	Unnamed: 1	Price	Change
0	Fremennik cloak	NaN	592	0
1	Fremennik cloak	NaN	610	0
2	Fremennik cloak	NaN	475	0
3	Fremennik cloak	NaN	42	0
4	Fremennik cloak	NaN	515	0
..	...	...	...	...
51	Woven top	NaN	752	0
52	Woven top	NaN	817	0
53	Woven top	NaN	711	0
54	Yellow flowers	NaN	2528	0
55	Yellow partyhat	NaN	2.1b	0

```
[256 rows x 4 columns]
Snake hide
Snake hide
Snakeskin
Soda ash
Soft clay
Spider silk
Steel studs
Strip of black cloth
```

```
Strip of cloth
Swamp weed
Uncut diamond
Uncut dragonstone
Uncut emerald
Uncut hydrix
Uncut jade
Uncut onyx
Uncut opal
Uncut red topaz
Uncut ruby
Uncut sapphire
Unfired plant pot
Unfired pot lid
Unpowered orb
Water orb
Woad leaf
Wool
Yak-hide
Yellow dye
Zamorakian essence
Zarosian essence
English
7,642
4,564
3,963
7
532
358
278
162
1,983
532
2,661
12.0k
923
21.9m
448
2.0m
165
385
1,257
649
8
1
226
5,474
26
743
670
1,838
178.6k
225.0k
0
0
0
+1
```

```
    – 28
    – 4
    0
    0
    – 79
    0
    – 16
    +144
    – 10
    0
    +7
    – 81.6k
    +1
    – 4
    +32
    +1
    0
    0
    – 2
    – 6
    0
    +5
    – 34
    0
    0
    0
```

	Item	Unnamed: 1	Price	Change
0	Cooked eeligator	NaN	546	0
1	Cooked jubbly	NaN	1552	0
2	Cooked karambwan	NaN	741	0
3	Cooked meat	NaN	208	0
4	Cooked oomlie wrap	NaN	9819	0
..	...	...	...	...
95	Meat pie	NaN	142	+7
96	Meat pizza	NaN	134	0
97	Minced meat	NaN	29	0
98	Mind bomb (1)	NaN	1964	0
99	Mind bomb (2)	NaN	2801	0

```
[100 rows x 4 columns]
```

	Item	Unnamed: 1	Price	Change
0	Cooked eeligator	NaN	546	0
1	Cooked jubbly	NaN	1552	0
2	Cooked karambwan	NaN	741	0
3	Cooked meat	NaN	208	0
4	Cooked oomlie wrap	NaN	9819	0
..	...	...	...	...
95	Sailfish soup	NaN	16.9k	0
96	Salmon	NaN	30	– 1
97	Sardine	NaN	30	0
98	Scimitops meat	NaN	4000	0
99	Scrambled egg	NaN	59	0

```
[200 rows x 4 columns]
```

	Item	Unnamed: 1	Price	Change
0	Cooked eeligator	NaN	546	0
1	Cooked jubbly	NaN	1552	0

```
2      Cooked karambwan       NaN    741      0
3           Cooked meat       NaN    208      0
4      Cooked oomlie wrap     NaN   9819      0
..                 ...        ...    ...    ...
63       Wizard Blizzard      NaN   1664      0
64     Wizard's mind bomb     NaN    216      0
65            Worm batta      NaN    239      0
66        Worm crunchies      NaN    432      0
67            Worm hole      NaN    901      0

[268 rows x 4 columns]
Mixture - step 1 (4)
Mixture - step 2 (1)
Mixture - step 2 (2)
Mixture - step 2 (3)
Mixture - step 2 (4)
Morchella mushroom
Mort myre fungus
Mycelial webbing
Nail beast nails
Poison ivy berries
Poison slime
Potato cactus
Potion flask
Powerburst vial
Primal extract
Rabbit teeth
Ranarr potion (unf)
Red spiders' eggs
Roe
Rogue's purse potion (un...
Silver dust
Snapdragon potion (unf)
Snape grass
Spark chitin
Spider fangs
Spider venom
Spirit weed potion (unf)...
Springsheared wool
Stinkfly
Summerdown wool
Swamp tar
Swamp toad
Tarromin potion (unf)
Toad's legs
Toadflax potion (unf)
Tombshroom
Torstol potion (unf)
Unicorn horn
Unicorn horn dust
Vampyre dust
Vial
Vial of water
Wergali potion (unf)
White berries
Wine of Guthix
Wine of Saradomin
```

```
Wine of Zamorak
Winterwold wool
Yak milk
Yak tuft
Zygomite fruit
English
8,200
2,254
4,335
66
9,216
4,165
3,065
1,004
97
3,824
734
3,558
5,451
9
465
485
2,713
1,175
39
1,722
1,265
2,278
203
2,112
2,788
267
16.5k
102
1,948
125
74
499
170
452
9,837
2,345
5,360
3,354
2,434
479
2
102
3,047
3,905
1,360
66.6k
12.5k
66
115.3k
348
831
```

```
0
0
0
0
0
– 109
+75
– 53
0
0
+5
+52
– 65
– 1
0
0
0
– 7
0
0
0
– 60
+8
– 87
+121
+2
0
+1
0
0
+4
0
0
0
– 493
0
0
– 20
– 51
0
0
+2
0
+17
0
0
– 248
0
– 5,267
– 11
– 36
Ring of Luck
Ring of metamorphosis
Ring of recoil
Ring of respawn
Ring of stone
Ring of Wealth
```

```
Ring of Wealth (4)
Ruby amulet
Ruby amulet
Ruby bracelet
Ruby necklace
Ruby ring
Sapphire amulet
Sapphire amulet
Sapphire bracelet
Sapphire necklace
Sapphire ring
Saradomin's hiss
Saradomin's murmur
Saradomin's whisper
Seers' ring
Skills necklace
Skills necklace (4)
Strength amulet (t)
Strung rabbit foot
Topaz amulet
Topaz amulet
Topaz bracelet
Topaz necklace
Topaz ring
Traveller's necklace
Tuxedo cravat
Unblessed symbol
Unholy symbol
Unpowered symbol
Unstrung emblem
Unstrung symbol
Warrior ring
English
2,807
1,441
1,411
2,239
570.6k
9,773
10.5k
1,067
2,462
1,938
2,110
1,709
1,585
370
1,350
1,642
1,268
75.9k
276.4k
67.7k
40.9k
10.7k
14.6k
496.7k
```

```
1,644
2,365
1,452
1,689
1,602
1,814
4,361
461.7k
510
2,942
228
144
211
22.2k
+125
0
0
0
0
+105
— 34
0
— 11
— 18
— 91
— 61
0
0
0
+65
— 46
0
0
— 529
— 78
0
0
0
0
0
— 30
0
0
0
0
0
0
0
0
0
0
0
Imphide hood
Imphide robe bottom
Imphide robe top
Imphide shield
Infinity boots
```

```
Infinity bottoms
Infinity gloves
Infinity hat
Infinity robes set
Infinity top
Light mystic boots
Light mystic gloves
Light mystic hat
Light mystic robe bottom...
Light mystic robe top
Light mystic robes set
Mages' book
Merciless kiteshield
Mind body
Mind boots
Mind gloves
Mind helmet
Mind shield
Mycelium leggings web
Mycelium poncho web
Mycelium visor web
Mystic boots
Mystic gloves
Mystic hat
Mystic robe bottom
Mystic robe top
Mystic robes set
Mystic shield
Ragefire gland
Robes of subjugation set...
Second-Age mage mask
Second-Age robe bottom
Second-Age robe top
Skeletal armour set
Skeletal boots
Skeletal bottoms
Skeletal gloves
Skeletal helm
Skeletal top
Spellstorm drape
Spider silk boots
Spider silk gloves
Spider silk hood
Spider silk robe bottom
Spider silk robe top
Spider silk shield
Splitbark armour set
Splitbark body
Splitbark boots
Splitbark gauntlets
Splitbark helm
Splitbark legs
Splitbark shield
Static gloves
Tectonic mask
Tectonic robe bottom
Tectonic robe top
```

```
Third age amulet
Third age mage hat
Third age robe
Third age robe top
Virtus boots
Virtus gloves
Virtus mask
Virtus robe legs
Virtus robe top
Ward of subjugation
Wizard boots
Wizard boots (t)
Wizard gloves
Wizard hat
Wizard hat (g)
Wizard hat (t)
Wizard robe skirt (g)
Wizard robe skirt (t)
Wizard robe top
Wizard robe top (g)
Wizard robe top (t)
Wizard shield
Zamorak robe
Zamorak robe
Zuriel's hood
Zuriel's robe bottom
Zuriel's robe top
English
678
1,088
1,145
1,200
4.3m
6.9m
1.2m
20.5m
45.3m
8.9m
39.4k
182.2k
13.1k
5,396
19.2k
336.9k
459.7k
5.3m
3,310
25.6k
23.3k
2,467
4,759
1,366
1,243
548
3,945
4,039
6,991
```

```
7,786
10.2k
63.5k
10.8k
360.4k
12.0m
166.1m
697.5m
678.6m
477.4k
100.9k
41.8k
78.3k
19.5k
36.1k
584
715
708
1,128
1,330
1,427
1,593
170.2k
25.1k
3,916
2,416
4,708
39.4k
14.0k
247.4k
15.8m
32.9m
48.5m
159.8m
18.4m
28.4m
59.9m
3.2m
2.6m
7.9m
23.7m
32.3m
721.4k
78
437.6k
88
730
493.0k
470.5k
502.5k
489.5k
492
473.7k
446.5k
507
971
546
```

```
1.2m
9.9m
10.5m
0
0
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+695
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─ 1,715
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─ 8
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0
+5,317
0
0
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                                0
                                0
                            –  26.4k
                            –  5,001
                                0
                                0
                                0
                                0
                                0
                                0
                                0
                               +2
                                0
                                0
                                0
                              +11.7k
                            –  13
                                0
                                0
                                0
                              +43
                                0
                                0
                                0
                                0
```

```
                              Item  Unnamed: 1   Price      Change
0     Elder rune gauntlets + 5...          NaN   327.9k   –  1,442
1             Elder rune platebody          NaN    85.9k          0
2     Elder rune platebody + 1...          NaN   192.4k          0
3     Elder rune platebody + 2...          NaN   464.7k          0
4     Elder rune platebody + 3...          NaN   841.3k   –  9,354
..                            ...          ...      ...        ...
95    Torag's platelegs (broke...          NaN   711.7k          0
96                  Torva boots          NaN    17.0m   –  17.5k
97             Torva full helm          NaN    34.6m          0
98                Torva gloves          NaN    17.0m          0
99             Torva platebody          NaN    87.0m          0

[100 rows x 4 columns]
                              Item  Unnamed: 1   Price      Change
0     Elder rune gauntlets + 5...          NaN   327.9k   –  1,442
1             Elder rune platebody          NaN    85.9k          0
2     Elder rune platebody + 1...          NaN   192.4k          0
3     Elder rune platebody + 2...          NaN   464.7k          0
4     Elder rune platebody + 3...          NaN   841.3k   –  9,354
..                            ...          ...      ...        ...
9         Verac's helm (broken)          NaN    61.3k          0
```

```
10           Verac's plateskirt        NaN   702.6k        0
11    Verac's plateskirt (brok...      NaN   737.5k        0
12           Vesta's chainbody         NaN   737.7k        0
13           Vesta's plateskirt        NaN   471.8k        0

[114 rows x 4 columns]
                   Item  Unnamed: 1   Price  Change
0     Black platebody (h4)          NaN   484.7k  +5,669
1     Black platebody (h5)          NaN   480.2k       0
2      Black platebody (t)          NaN     7461       0
3          Black platelegs          NaN     3690       0
4      Black platelegs (g)          NaN    10.1k       0
..                   ...          ...      ...     ...
95        Mithril chainbody          NaN     6353       0
96    Mithril chainbody + 1         NaN    13.9k       0
97    Mithril chainbody + 2         NaN    12.8k       0
98        Mithril full helm         NaN     2216    – 92
99    Mithril full helm + 1         NaN     3190       0

[100 rows x 4 columns]
                   Item  Unnamed: 1   Price  Change
0     Black platebody (h4)          NaN   484.7k  +5,669
1     Black platebody (h5)          NaN   480.2k       0
2      Black platebody (t)          NaN     7461       0
3          Black platelegs          NaN     3690       0
4      Black platelegs (g)          NaN    10.1k       0
..                   ...          ...      ...     ...
63         White platebody          NaN    12.1k       0
64         White platelegs          NaN     5164       0
65        White plateskirt          NaN     3848       0
66         White sq shield          NaN     2358       0
67          Wooden shield           NaN     1467       0

[168 rows x 4 columns]
                         Item  Unnamed: 1   Price Change
0        Rune armoured boots + 3          NaN   26.1k  – 175
1        Rune berserker shield 0         NaN   49.3k       0
2                Rune chainbody          NaN    9174       0
3            Rune chainbody + 1         NaN   44.6k       0
4            Rune chainbody + 2         NaN   29.2k       0
..                        ...          ...      ...     ...
95   Rune plateskirt (Zamorak...         NaN   34.8k       0
96          Rune plateskirt + 1         NaN   28.3k       0
97          Rune plateskirt + 2         NaN   46.9k       0
98          Rune plateskirt + 3         NaN   86.3k       0
99            Rune shield (h1)          NaN  485.8k       0

[100 rows x 4 columns]
                    Item  Unnamed: 1   Price Change
0     Rune armoured boots + 3          NaN   26.1k  – 175
1     Rune berserker shield 0         NaN   49.3k       0
2             Rune chainbody          NaN    9174       0
3         Rune chainbody + 1         NaN   44.6k       0
4         Rune chainbody + 2         NaN   29.2k       0
..                     ...          ...      ...     ...
15       Third age platelegs          NaN   314.3m       0
16           Toktz-ket-xil           NaN   27.1k       0
```

```
17         Torva armour set          NaN    190.6m        0
18         Virtus armour set         NaN     71.6m        0
19          Warrior helm             NaN     44.6k        0

[120 rows x 4 columns]
                        Item   Unnamed: 1   Price    Change
0           Torag's hammer          NaN    458.1k         0
1    Torag's hammer (broken)        NaN    111.2k         0
2            Verac's flail          NaN    443.9k         0
3     Verac's flail (broken)        NaN    266.1k         0
4         Vesta's longsword         NaN    591.1k         0
5           Vesta's spear          NaN      5.6m         0
6               Whip vine           NaN     83.6k      - 88
7              Wyrm heart           NaN     32.3m         0
8              Wyrm scalp           NaN     11.8m         0
9              Wyrm spike           NaN      7.4m         0
10         Zamorak godsword         NaN      1.4m         0
11           Zamorak hilt          NaN    707.3k         0
12         Zamorakian spear         NaN      1.0m         0
13          Zaros godsword         NaN      1.0b   - 37.1m
                        Item   Unnamed: 1  Price  Change
0          Iron 2h sword + 1          NaN   6854     +74
1             Iron battleaxe         NaN   2141       0
2         Iron battleaxe + 1         NaN   5689       0
3                Iron claws         NaN   1763     +72
4            Iron claws + 1         NaN   5670       0
..                      ...          ...    ...     ...
95  Off-hand black battleaxe...       NaN   3063       0
96        Off-hand black claw         NaN   1744       0
97       Off-hand black dagger        NaN   1759       0
98  Off-hand black longsword...       NaN   4171       0
99       Off-hand black mace         NaN   3010       0

[100 rows x 4 columns]
                     Item   Unnamed: 1   Price  Change
0        Iron 2h sword + 1         NaN     6854     +74
1           Iron battleaxe        NaN     2141       0
2       Iron battleaxe + 1        NaN     5689       0
3              Iron claws        NaN     1763     +72
4          Iron claws + 1        NaN     5670       0
..                   ...         ...      ...     ...
60   Willow blackjack (d)        NaN     1748       0
61   Willow blackjack (o)        NaN     2338       0
62      Willow-blackjack         NaN      319       0
63          Wooden spoon         NaN      113       0
64      Zamorak mjolnir         NaN   135.3k        0

[165 rows x 4 columns]
                        Item   Unnamed: 1   Price  Change
0     Rune off hand longsword ...        NaN   88.1k       0
1          Rune off hand mace         NaN   8786       0
2        Rune off hand mace + 1        NaN   33.3k       0
3        Rune off hand mace + 2        NaN   66.7k       0
4        Rune off hand mace + 3        NaN   98.5k       0
5        Rune off hand scimitar        NaN   17.3k    - 266
6     Rune off hand scimitar +...        NaN   34.9k       0
7     Rune off hand scimitar +...        NaN   67.1k       0
```

```
8         Rune off hand scimitar +...     NaN    83.5k        0
9              Rune off hand sword        NaN    17.7k        0
10         Rune off hand sword + 1        NaN    33.3k        0
11         Rune off hand sword + 2        NaN    66.7k        0
12         Rune off hand sword + 3        NaN    47.4k        0
13          Rune off hand warhammer       NaN     9754        0
14      Rune off hand warhammer ...       NaN    19.9k        0
15      Rune off hand warhammer ...       NaN    67.5k        0
16      Rune off hand warhammer ...       NaN    87.4k        0
17                   Rune scimitar        NaN    14.9k    – 410
18               Rune scimitar + 1        NaN    34.2k        0
19               Rune scimitar + 2        NaN    39.4k        0
20               Rune scimitar + 3        NaN    92.3k        0
21                      Rune spear        NaN    10.2k        0
22                      Rune sword        NaN    17.4k        0
23                  Rune sword + 1        NaN    32.5k        0
24                  Rune sword + 2        NaN    65.9k        0
25                  Rune sword + 3        NaN    86.0k        0
26                  Rune warhammer        NaN    17.6k     +235
27              Rune warhammer + 1        NaN    33.8k        0
28              Rune warhammer + 2        NaN    66.3k        0
29              Rune warhammer + 3        NaN    67.8k        0
30              Swordy McSwordFace        NaN    16.5m        0
31                   Toktz-xil-ak        NaN    23.7k        0
32                   Toktz-xil-ek        NaN    13.4k        0
33                   Tzhaar-ket-em        NaN    11.7k        0
34                   Tzhaar-ket-om        NaN    33.3k        0
35                 Wilderness hilt        NaN    50.6k        0
                            Item  Unnamed: 1  Price Change
0    Barbarian assault ticket...       NaN     6836        0
1              Barrel of monkeys        NaN      239        0
2         Barrows – Akrisae's set       NaN     3.0m        0
3                  Barrows amulet        NaN     2390        0
4                   Barrows totem        NaN     2515        0
..                          ...        ...      ...      ...
95               Coconut parasol        NaN     1.7m        0
96    Common brown rabbit (unc...       NaN     5447     – 78
97    Common green frog (unche...       NaN    24.1k     +587
98    Common jadinko (unchecke...       NaN     3.8m        0
99    Common white hen (unchec...       NaN     4245      +60

[100 rows x 4 columns]
                             Item  Unnamed: 1   Price Change
0    Barbarian assault ticket...       NaN     6836        0
1              Barrel of monkeys        NaN      239        0
2         Barrows – Akrisae's set       NaN     3.0m        0
3                  Barrows amulet        NaN     2390        0
4                   Barrows totem        NaN     2515        0
..                          ...        ...      ...      ...
95                Evening shoes        NaN    438.3k        0
96               Extra fine sand        NaN     3347        0
97               Face paint token       NaN     1.3m        0
98    Fallfaced ewe (unchecked...       NaN    28.0k        0
99    Fallfaced ram (unchecked...       NaN    23.4k        0

[200 rows x 4 columns]
                              Item  Unnamed: 1  Price Change
```

```
0   Barbarian assault ticket...    NaN   6836      0
1            Barrel of monkeys     NaN    239      0
2        Barrows - Akrisae's set   NaN   3.0m      0
3               Barrows amulet     NaN   2390      0
4                Barrows totem     NaN   2515      0
..                        ...      ...    ...    ...
95  Ingenuity of the Humans ...    NaN  40.8m      0
96           Ink shooter token    NaN   1.6m      0
97  Inquisitor's staff cense...    NaN  73.2m  +3.2m
98  Inquisitor's staff ornam...    NaN  73.2m  +3.2m
99     Inquisitor's staff rod     NaN  73.0m  +3.0m

[300 rows x 4 columns]
                           Item  Unnamed: 1   Price Change
0   Barbarian assault ticket...    NaN   6836      0
1            Barrel of monkeys     NaN    239      0
2        Barrows - Akrisae's set   NaN   3.0m      0
3               Barrows amulet     NaN   2390      0
4                Barrows totem     NaN   2515      0
..                        ...      ...    ...    ...
95  Oculi apoterrasaur ocean...    NaN   1000      0
96  Off-hand armadyl crossbo...    NaN  60.0k      0
97          Off-hand briefcase    NaN 615.0k      0
98  Off-hand drygore longswo...    NaN  94.9k      0
99  Off-hand drygore mace sh...    NaN 109.0k      0

[400 rows x 4 columns]
                           Item  Unnamed: 1   Price    Change
0   Barbarian assault ticket...    NaN   6836         0
1            Barrel of monkeys     NaN    239         0
2        Barrows - Akrisae's set   NaN   3.0m         0
3               Barrows amulet     NaN   2390         0
4                Barrows totem     NaN   2515         0
..                        ...      ...     ...       ...
95       Puzzle-skipping ticket   NaN 580.0k  - 26.6k
96              Pyjama bottoms    NaN 473.2k         0
97              Pyjama slippers    NaN 492.2k         0
98                  Pyjama top    NaN 482.8k         0
99       Pyramid hat head token   NaN  11.6k         0

[500 rows x 4 columns]
                           Item  Unnamed: 1 Price Change
0   Barbarian assault ticket...    NaN   6836      0
1            Barrel of monkeys     NaN    239      0
2        Barrows - Akrisae's set   NaN   3.0m      0
3               Barrows amulet     NaN   2390      0
4                Barrows totem     NaN   2515      0
..                        ...      ...    ...    ...
95  Sky-blue poison frog (un...    NaN   1201      0
96             Snow cape token    NaN   4.3m      0
97                Snow parasol    NaN   1.3m      0
98  Snowman building rest to...    NaN   1.5m      0
99          Snowman pet token    NaN   1.5m      0

[600 rows x 4 columns]
                           Item  Unnamed: 1   Price     Change
0   Barbarian assault ticket...    NaN   6836         0
```

```
1              Barrel of monkeys        NaN      239         0
2          Barrows - Akrisae's set      NaN     3.0m         0
3                  Barrows amulet        NaN     2390         0
4                  Barrows totem         NaN     2515         0
..                        ...           ...      ...       ...
95                  Vital spark          NaN    99.4k   - 5,130
96             Volcanic fragments        NaN    116.9m        0
97                 Vulatrice egg         NaN    38.2k         0
98             Vulnerability bomb        NaN    10.1k         0
99      Wand of the cywir elders...      NaN    19.2k         0

[700 rows x 4 columns]
                           Item  Unnamed: 1   Price Change
0    Barbarian assault ticket...      NaN     6836        0
1              Barrel of monkeys        NaN     239         0
2          Barrows - Akrisae's set      NaN    3.0m         0
3                  Barrows amulet        NaN    2390         0
4                  Barrows totem         NaN    2515         0
..                        ...           ...      ...       ...
24    Zanarian zygomite (unche...      NaN    268.5k        0
25              Zaryte bow shard        NaN    111.1k        0
26              Zoltan pet token        NaN    595.0k        0
27          Zoltan plushie token        NaN     6.0m         0
28    Zombie walk override tok...      NaN    604.9m        0

[729 rows x 4 columns]
                           Item  Unnamed: 1  Price Change
0                Fishing mix (1)        NaN     106         0
1                Fishing mix (2)        NaN     155         0
2              Fishing potion (1)       NaN     130         0
3              Fishing potion (2)       NaN     176         0
4              Fishing potion (3)       NaN     519         0
..                        ...           ...      ...       ...
95   Perfect juju dungeoneeri...      NaN    16.3k         0
96   Perfect juju dungeoneeri...      NaN     2768         0
97   Perfect juju dungeoneeri...      NaN     2158         0
98   Perfect juju dungeoneeri...      NaN     3997         0
99   Perfect juju dungeoneeri...      NaN     3239         0

[100 rows x 4 columns]
                           Item  Unnamed: 1  Price Change
0                Fishing mix (1)        NaN     106         0
1                Fishing mix (2)        NaN     155         0
2              Fishing potion (1)       NaN     130         0
3              Fishing potion (2)       NaN     176         0
4              Fishing potion (3)       NaN     519         0
..                        ...           ...      ...       ...
95            Scentless potion (4)      NaN    20.9k         0
96             Shengo potion (unf)      NaN     6195         0
97    Spiritual prayer potion ...      NaN    29.8k    - 705
98             Strength flask (6)       NaN     7467         0
99               Strength mix (1)       NaN     175         0

[200 rows x 4 columns]
                           Item  Unnamed: 1   Price Change
0                Fishing mix (1)        NaN     106         0
1                Fishing mix (2)        NaN     155         0
```

```
2          Fishing potion (1)          NaN     130        0
3          Fishing potion (2)          NaN     176        0
4          Fishing potion (3)          NaN     519        0
..                       ...          ...     ...      ...
95   Super Saradomin brew fla...       NaN   141.1k       0
96          Super strength (1)         NaN    3979        0
97          Super strength (2)         NaN    7927        0
98          Super strength (3)         NaN   11.6k   - 187
99          Super strength (4)         NaN   15.8k   - 716

[300 rows x 4 columns]
                        Item  Unnamed: 1 Price Change
0            Fishing mix (1)         NaN    106        0
1            Fishing mix (2)         NaN    155        0
2         Fishing potion (1)         NaN    130        0
3         Fishing potion (2)         NaN    176        0
4         Fishing potion (3)         NaN    519        0
..                       ...         ...    ...      ...
52        Zamorak's favour (1)        NaN     70        0
53        Zamorak's favour (2)        NaN    450        0
54        Zamorak's favour (3)        NaN    530        0
55        Zamorak's favour (4)        NaN    346        0
56   Zamorak's favour flask (...       NaN   4064        0

[357 rows x 4 columns]
                     Item  Unnamed: 1   Price Change
0         Hard leather body         NaN     540        0
1        Hard leather boots         NaN     115        0
2        Hard leather chaps         NaN     750        0
3         Hard leather cowl         NaN     508        0
4       Hard leather gloves         NaN     147        0
..                      ...         ...     ...      ...
78          Tracking gloves         NaN   189.0k       0
79             Turoth boots         NaN    6655        0
80       Vengeful kiteshield         NaN    5.3m        0
81   Yak-hide armour (legs)         NaN    1163    - 54
82    Yak-hide armour (top)         NaN    2219        0

[83 rows x 4 columns]
                        Item  Unnamed: 1  Price  Change
0    Tiny bladed rune salvage...        NaN   7710        0
1    Tiny bladed steel salvag...        NaN   1410        0
2    Tiny blunt adamant salva...        NaN   2928        0
3    Tiny blunt bronze salvag...        NaN     47        0
4        Tiny blunt iron salvage        NaN    149        0
5    Tiny blunt mithril salva...        NaN    493        0
6       Tiny blunt rune salvage        NaN   6734      184
7    Tiny blunt steel salvage...        NaN    510        0
8    Tiny plated adamant salv...        NaN   1253        0
9    Tiny plated bronze salva...        NaN     65        0
10   Tiny plated iron salvage...        NaN    153        0
11   Tiny plated mithril salv...        NaN    697        0
12   Tiny plated rune salvage...        NaN   6937       27
13   Tiny plated steel salvag...        NaN    386        0
14   Tiny spiky adamant salva...        NaN   1251        0
15   Tiny spiky bronze salvag...        NaN     97        0
16       Tiny spiky iron salvage        NaN    142        0
```

```
17  Tiny spiky mithril salva...    NaN    407       0
18        Tiny spiky rune salvage   NaN   6649      64
19  Tiny spiky steel salvage...    NaN    230       0
                            Item  Unnamed: 1  Price  Change
0          Fragile mining urn (nr)   NaN   1105      0
1      Fragile runecrafting urn...   NaN   1013      0
2      Fragile smelting urn (nr...   NaN    527     +26
3      Fragile woodcutting urn ...   NaN    963      0
4                 Gardening boots   NaN    340      0
..                          ...   ...    ...     ...
95              Sea turtle bait    NaN   14.9k      0
96                   Secateurs    NaN    593      0
97                Security book    NaN    293      0
98                  Seed dibber    NaN    186      0
99                   Shadow dye    NaN  701.8m      0

[100 rows x 4 columns]
                            Item  Unnamed: 1  Price  Change
0          Fragile mining urn (nr)   NaN   1105      0
1      Fragile runecrafting urn...   NaN   1013      0
2      Fragile smelting urn (nr...   NaN    527     +26
3      Fragile woodcutting urn ...   NaN    963      0
4                 Gardening boots   NaN    340      0
..                          ...   ...    ...     ...
36                 Waterskin (4)   NaN    279      0
37                  White apron   NaN    222      0
38                 White candle   NaN    482     +23
39             White firelighter   NaN    440     +15
40          Woodcutting accumulator  NaN  39.0k      0

[141 rows x 4 columns]
```

In [13]: `datasetq.head()`

Out[13]:

	Change	Item	Price	Unnamed: 1
0	0	'Ancient gizmos' bluepri...	5.0m	NaN
1	0	'Ancient tools' blueprin...	5.0m	NaN
2	0	'XP Capacitor' blueprint...	5.0m	NaN
3	0	A mis-fortune from The M...	37	NaN
4	0	A mis-fortune from The M...	31	NaN

In [17]: `datasetq.applymap(str)`

Out[17]:

	Change	Item	Price	Unnamed: 1
0	0	'Ancient gizmos' bluepri...	5.0m	nan
1	0	'Ancient tools' blueprin...	5.0m	nan
2	0	'XP Capacitor' blueprint...	5.0m	nan
3	0	A mis-fortune from The M...	37	nan
4	0	A mis-fortune from The M...	31	nan
...	...	...	...	...
36	0	Waterskin (4)	279	nan
37	0	White apron	222	nan
38	+23	White candle	482	nan
39	+15	White firelighter	440	nan
40	0	Woodcutting accumulator	39.0k	nan

5701 rows × 4 columns

In [15]: `datasetq.Price`

Out[15]:
```
0       5.0m
1       5.0m
2       5.0m
3         37
4         31
        ...
36       279
37       222
38       482
39       440
40     39.0k
Name: Price, Length: 5701, dtype: object
```

In [ ]:

In [ ]:

```
In [18]: for item in datasetq['Price']:

             try:

                 right = item.split(".")[1]

                 left = item.split(".")[0]

                 numsOnRight = len(right)-1

                 if "k" in item:

                     numOfZeroes = 3 - numsOnRight

                 elif "m" in item:

                     numOfZeroes = 6 - numsOnRight

                 if numOfZeroes < 0:

                     item = left + right[0:numsOnRight+numOfZeroes] + "." + right
         [numOfZeroes-1:numsOnRight]

                 else:

                     item = int(left + right[0:numsOnRight] + str(0)*numOfZeroes)

             except:

                 if "k" in item:

                     item = item[0:-1] + str(0)*3

                 elif "m" in item:

                     item = item[0:-1] + str(0)*6


             print(item)
```

```
5000000
5000000
5000000
37
31
24
24
25
21
27
27
31
29
27
27
27
24
25
24
27
601500000
32000
127700
146100
398800
64500
630000
470300
1100000
2100000
376200
50400
2800000
718
6900000
7800000
17500000
2400000
2500000
5800000
1084
1041
24100
65500
468
348200
14000000
239
25500
1573
16800
5121
12900
304
410100
557200
199300
```

```
270600
359700
211900
252100
212
4400000
1043
1000
779700000
174900
1236
447
870
220
152
1966
1041
1046
7700000
599400
22300
4909
2490
9649
4503
129900
446900
11100
12500
16200
20800
21700
30700
23000
25200
41200
1280
3235
1388
2329
2351
4272
4777
```

```
--------------------------------------------------------------------
----
AttributeError                                Traceback (most recent call l
ast)
<ipython-input-18-3c272c6d27a8> in <module>
      4
----> 5             right = item.split(".")[1]
      6

AttributeError: 'int' object has no attribute 'split'

During handling of the above exception, another exception occurred:

TypeError                                    Traceback (most recent call l
ast)
<ipython-input-18-3c272c6d27a8> in <module>
     27      except:
     28
---> 29          if "k" in item:
     30
     31                  item = item[0:-1] + str(0)*3

TypeError: argument of type 'int' is not iterable
```

In [ ]: `datasetq`

In [19]:
```python
for item in datasetq['Price']:

    item = item.replace('.', '')

    if "k" in item:

        item = int(item.replace("k", "00"))

    elif "m" in item:

        item = int(item.replace("m", "00000"))
```

```
--------------------------------------------------------------------
----
AttributeError                                Traceback (most recent call l
ast)
<ipython-input-19-513a0e8e4b8c> in <module>
      1 for item in datasetq['Price']:
      2
----> 3      item = item.replace('.', '')
      4
      5      if "k" in item:

AttributeError: 'int' object has no attribute 'replace'
```

In [ ]: