```
(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "What percenta
ge of drop or increase in GDP is associated with Consumption?"
Number of Documents Found: 730
Number of Documents Selected: 200
Top 10 Possible Answers
3700                      70%
5550            2 percent
18162          25 percent
9404         14.8 percent
15942         1.5 percent
24498               1.9%
3269                71%
1940      as percentage
1865      as percentage
9850                 5%
Name: percentages, dtype: object
```

```
[(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "What affects ]
GDP?"
Number of Documents Found: 730
Number of Documents Selected: 200
Assignment4.py:382: UserWarning: Boolean Series key will be reindexed to match D
ataFrame index.
  df_CS = df_CS.sort_values(by = 'score',ascending=False)[df_CS['score'] != 0]
Top 10 Possible Answers
304        government
360        investment
493        percentage
26        appdownload
349        inequality
151        consumption
153        contraction
149       construction
737        washington
474        opportunity
Name: names, dtype: object
```

```
[(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "What percenta]
ge of drop or increase in GDP is associated with inequality?"
Number of Documents Found: 730
Number of Documents Selected: 200
Top 10 Possible Answers
2875                17-40%
2547        9.97 percent
7038          a percent
25530                50%
7800        a percentage
9065                76%
6751                43%
2876               0.6%
11370                1%
9064                74%
Name: percentages, dtype: object
```

```
tem(), a.any() or a.all().
(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "What percenta]
ge of drop or increase in GDP is associated with investment?"
Number of Documents Found: 730
Number of Documents Selected: 200
Top 10 Possible Answers
7188        1.18 percentage points
15455           one percentage point
12119                    a percentage
23219                    1.5 percent
14488                   14.8 percent
2147                              4%
9746                    23 percent
5074                     2 percent
21797                            56%
3558                 as percentage
Name: percentages, dtype: object
```

```
[(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "Which compani]
es went bankrupt in month August of year 2013?"
Number of Documents Found: 730
Number of Documents Selected: 10
Top 10 Possible Answers
1172       Delphi Holdings LLC
1171                    Delphi
393             San Bernardino
254         Lehman Brothers Inc
255         US Bankruptcy Court
395                   Stockton
534                       FDIC
1152                   Studios
3837                        PwC
397         US Bankruptcy Court
Name: names, dtype: object
```

```
(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "Which compani
es went bankrupt in month June of year 2014?"
Number of Documents Found: 730
Number of Documents Selected: 10
Top 10 Possible Answers
2129                         LightSquared
2123                    ManhattanWASHINGTON
2121          Harbinger Capital Partners
2122                         LightSquared
2124                    LightSquared LP
2120              FREE AppDownload\r\n
3132      Lehman Brothers Holdings Inc
2145                              NFL
3128                          trustee
3127          MF Global Holdings Ltds
Name: names, dtype: object
```

```
(base) Erics-MacBook-Pro:Assignment4 eric$ python3 Assignment4.py "Which compani]
es went bankrupt in month March year 2015?"
Number of Documents Found: 730
Number of Documents Selected: 10
Top 10 Possible Answers
2466                        Lehman Brothers Holdings Inc
2140                                                 NFL
2462                                             trustee
2461                            MF Global Holdings Ltds
855                                             Stockton
714                                  Lehman Brothers Inc
715                                  US Bankruptcy Court
87                                                  FDIC
2759                             Energy Future Holdings
2758      ReutersThe TXU Monticello Steam Electric Station
Name: names, dtype: object
```

```
(base) Erics-MacBook-Pro:Assignment4 eric$ python Assignment4.py "Who is the CEO
 of Facebook?"
Number of Documents Found: 703
Number of Documents Selected: 5
Top 10 Possible Answers
108        Facebook Facebook Facebook Ahead
74              Facebook CEO Mark Zuckerberg
17             Microsoft CEO Steve Ballmer
30                          Mark Zuckerberg
98                          Mark Zuckerberg
105                         Mark Zuckerberg
13           Facebook COO Owen Van Natta
12                              Jim Breyer
16                         Mark Zuckerberg
7                             Jim Scheinman
Name: names, dtype: object
```

```
[(base) Erics-MacBook-Pro:Assignment4 eric$ python Assignment4.py "Who is the CEO]
 of Google?"
Number of Documents Found: 702
Number of Documents Selected: 5
Top 10 Possible Answers
160                    Larry Page
159              Google CEO Larry
132                 Alan Mulally
131               Salar Kamangar
6               Michael Barrett
9         Twitter CEO Dick Costolo
8             Henrique De Castro
154            Larry PageGoogle
3                Ross Levinsohn
148              Evan Williams
```

```
(base) Erics-MacBook-Pro:Assignment4 eric$ python Assignment4.py "Who is the CEO
 of Tesla?"
Number of Documents Found: 673
Number of Documents Selected: 5
Top 10 Possible Answers
53              Elon Musk
9             Tesla Motors
28   Tesla CEO Elon Musk
0             Andrew Mason
97            Nick Macfie
99    Scott Olson Twitter
98       Alex Richardson
54          Larry Ellison
34            Bill Gates
52            Kevin Ryan
```