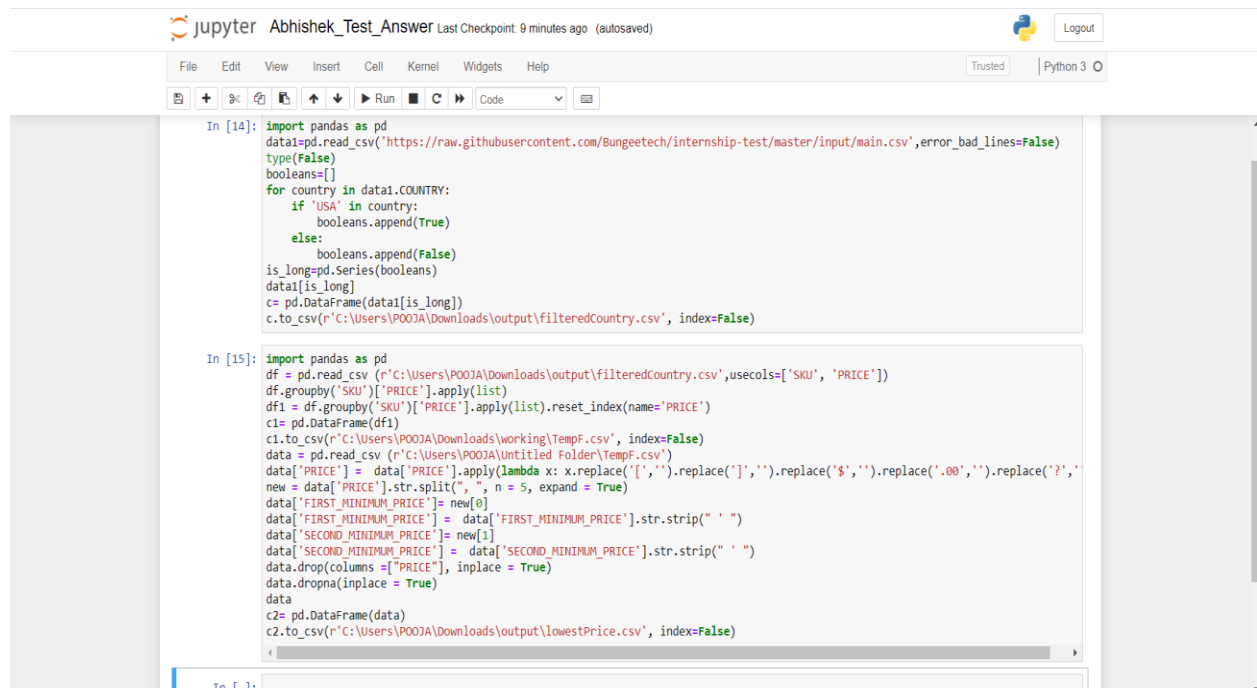1. Create an output file "filteredCountry.csv" inside a folder named "output". This file should contain only those records where country contains the word USA.

2. Now consider "filteredCountry.csv" as the input file. For each group of "SKU" find 2 minimum prices and store this result in "lowestPrice.csv" inside a folder named "output"

Code:


```python
import pandas as pd

data1=pd.read_csv('https://raw.githubusercontent.com/Bungeetech/internship-test/master/input/main.csv',error_bad_lines=False)

type(False)

booleans=[]

for country in data1.COUNTRY:

    if 'USA' in country:

        booleans.append(True)

    else:
```

```python
        booleans.append(False)

is_long=pd.Series(booleans)

data1[is_long]

c= pd.DataFrame(data1[is_long])

c.to_csv(r'C:\Users\POOJA\Downloads\output\filteredCountry.csv', index=False)




import pandas as pd

df  =  pd.read_csv  (r'C:\Users\POOJA\Downloads\output\filteredCountry.csv',usecols=['SKU',
'PRICE'])

df.groupby('SKU')['PRICE'].apply(list)

df1 = df.groupby('SKU')['PRICE'].apply(list).reset_index(name='PRICE')

c1= pd.DataFrame(df1)

c1.to_csv(r'C:\Users\POOJA\Downloads\working\TempF.csv', index=False)

data = pd.read_csv (r'C:\Users\POOJA\Untitled Folder\TempF.csv')

data['PRICE']              =                    data['PRICE'].apply(lambda          x:
x.replace('[','').replace(']','').replace('$','').replace('.00','').replace('?',''))

new = data['PRICE'].str.split(", ", n = 5, expand = True)

data['FIRST_MINIMUM_PRICE']= new[0]

data['FIRST_MINIMUM_PRICE'] =  data['FIRST_MINIMUM_PRICE'].str.strip(" ' ")

data['SECOND_MINIMUM_PRICE']= new[1]

data['SECOND_MINIMUM_PRICE'] =  data['SECOND_MINIMUM_PRICE'].str.strip(" ' ")

data.drop(columns =["PRICE"], inplace = True)

data.dropna(inplace = True)

data
```
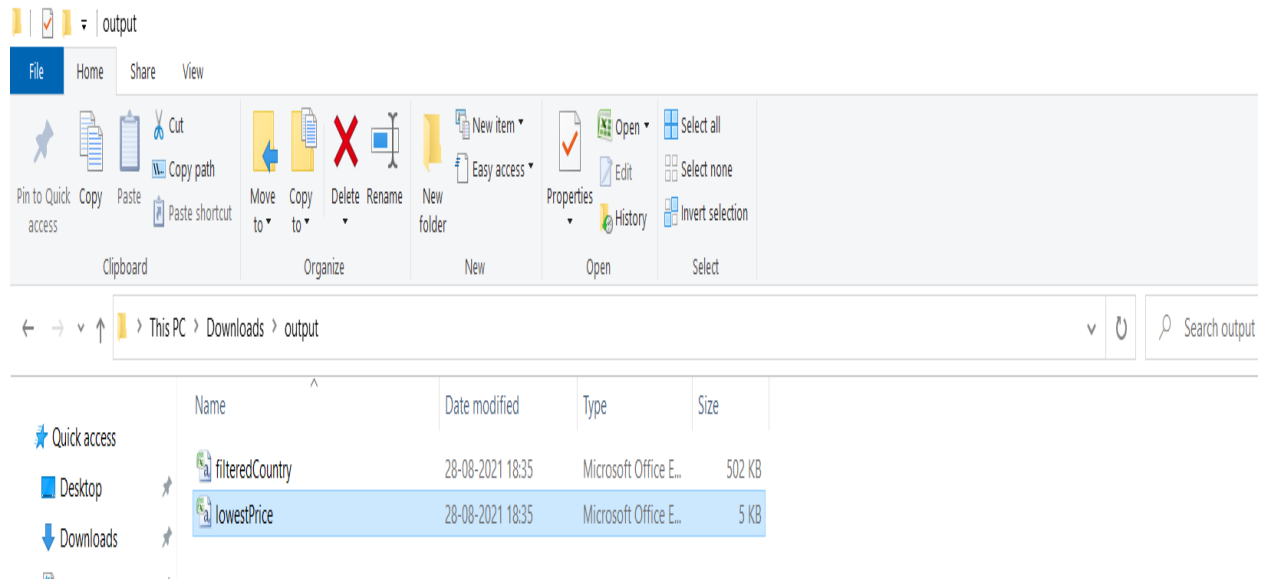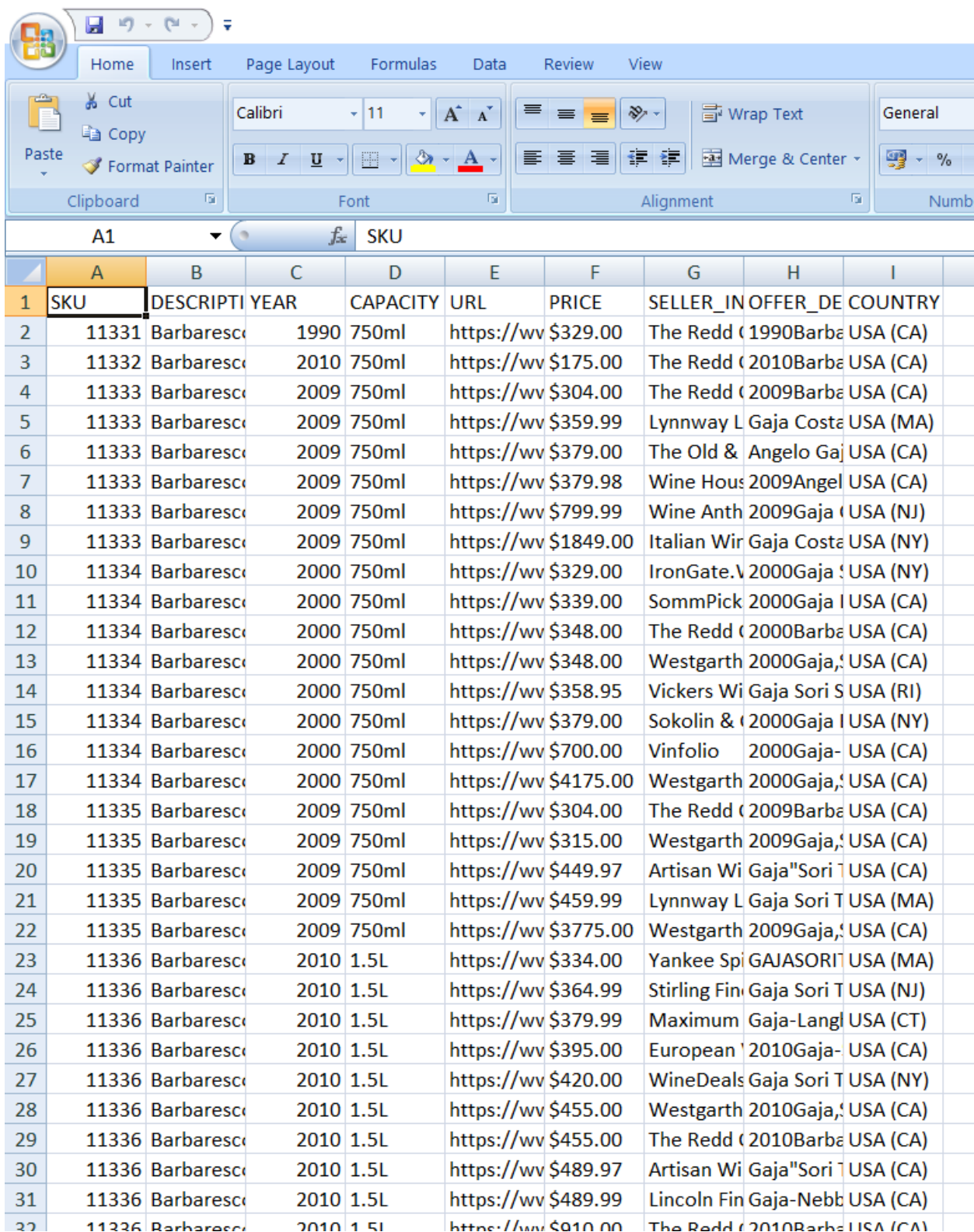
```
c2= pd.DataFrame(data)

c2.to_csv(r'C:\Users\POOJA\Downloads\output\lowestPrice.csv', index=False)
```

	A	B	C	D	E	F	G	H	I
1	SKU	DESCRIPTI	YEAR	CAPACITY	URL	PRICE	SELLER_IN	OFFER_DE	COUNTRY
2	11331	Barbaresco	1990	750ml	https://wv	$329.00	The Redd (	1990Barba	USA (CA)
3	11332	Barbaresco	2010	750ml	https://wv	$175.00	The Redd (	2010Barba	USA (CA)
4	11333	Barbaresco	2009	750ml	https://wv	$304.00	The Redd (	2009Barba	USA (CA)
5	11333	Barbaresco	2009	750ml	https://wv	$359.99	Lynnway L	Gaja Costa	USA (MA)
6	11333	Barbaresco	2009	750ml	https://wv	$379.00	The Old &	Angelo Gaj	USA (CA)
7	11333	Barbaresco	2009	750ml	https://wv	$379.98	Wine Hous	2009Angel	USA (CA)
8	11333	Barbaresco	2009	750ml	https://wv	$799.99	Wine Anth	2009Gaja (	USA (NJ)
9	11333	Barbaresco	2009	750ml	https://wv	$1849.00	Italian Wir	Gaja Costa	USA (NY)
10	11334	Barbaresco	2000	750ml	https://wv	$329.00	IronGate.V	2000Gaja S	USA (NY)
11	11334	Barbaresco	2000	750ml	https://wv	$339.00	SommPick	2000Gaja I	USA (CA)
12	11334	Barbaresco	2000	750ml	https://wv	$348.00	The Redd (	2000Barba	USA (CA)
13	11334	Barbaresco	2000	750ml	https://wv	$348.00	Westgarth	2000Gaja,S	USA (CA)
14	11334	Barbaresco	2000	750ml	https://wv	$358.95	Vickers Wi	Gaja Sori S	USA (RI)
15	11334	Barbaresco	2000	750ml	https://wv	$379.00	Sokolin & (	2000Gaja I	USA (NY)
16	11334	Barbaresco	2000	750ml	https://wv	$700.00	Vinfolio	2000Gaja-	USA (CA)
17	11334	Barbaresco	2000	750ml	https://wv	$4175.00	Westgarth	2000Gaja,S	USA (CA)
18	11335	Barbaresco	2009	750ml	https://wv	$304.00	The Redd (	2009Barba	USA (CA)
19	11335	Barbaresco	2009	750ml	https://wv	$315.00	Westgarth	2009Gaja,S	USA (CA)
20	11335	Barbaresco	2009	750ml	https://wv	$449.97	Artisan Wi	Gaja"Sori 1	USA (CA)
21	11335	Barbaresco	2009	750ml	https://wv	$459.99	Lynnway L	Gaja Sori T	USA (MA)
22	11335	Barbaresco	2009	750ml	https://wv	$3775.00	Westgarth	2009Gaja,S	USA (CA)
23	11336	Barbaresco	2010	1.5L	https://wv	$334.00	Yankee Spi	GAJASORIT	USA (MA)
24	11336	Barbaresco	2010	1.5L	https://wv	$364.99	Stirling Fin	Gaja Sori T	USA (NJ)
25	11336	Barbaresco	2010	1.5L	https://wv	$379.99	Maximum	Gaja-Langl	USA (CT)
26	11336	Barbaresco	2010	1.5L	https://wv	$395.00	European '	2010Gaja-	USA (CA)
27	11336	Barbaresco	2010	1.5L	https://wv	$420.00	WineDeals	Gaja Sori T	USA (NY)
28	11336	Barbaresco	2010	1.5L	https://wv	$455.00	Westgarth	2010Gaja,S	USA (CA)
29	11336	Barbaresco	2010	1.5L	https://wv	$455.00	The Redd (	2010Barba	USA (CA)
30	11336	Barbaresco	2010	1.5L	https://wv	$489.97	Artisan Wi	Gaja"Sori 1	USA (CA)
31	11336	Barbaresco	2010	1.5L	https://wv	$489.99	Lincoln Fin	Gaja-Nebb	USA (CA)
32	11336	Barbaresco	2010	1.5L	https://wv	$910.00	The Redd (	2010Barba	USA (CA)

A1 : SKU

	A	B	C
1	SKU	FIRST_MINIMUM_PRI	SECOND_MINIMUM_PRICE
2	11333	304	359.99
3	11334	329	339
4	11335	304	315
5	11336	334	364.99
6	11337	334	364.99
7	11338	156	278
8	11340	949	3500
9	11342	349	499
10	11343	228	289.99
11	11344	95	115
12	11345	626	699.99
13	11346	499.97	1099
14	11347	158	1200
15	11348	255	325.55
16	11349	239	249
17	11350	225	232.89
18	11351	449.98	475
19	11352	320	411
20	11353	349.95	375
21	11354	325	390
22	11355	390	390
23	11356	250	259.99
24	11357	383	385
25	11358	499	650
26	11359	119	127
27	11360	139	140
28	11361	79.99	127
29	11362	132	175
30	11363	96.95	129.94
31	11364	120	139
32	11365	425	475