

```
In [1]: 1 import pandas as pd
```

```
In [3]: 1 dataset= pd.read_csv('C:\\Users\\user\\OneDrive\\Documents\\Stores.csv')
```

```
In [4]: 1 dataset.head()
```

Out[4]:

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
0	1	1659	1961	530	66490
1	2	1461	1752	210	39820
2	3	1340	1609	720	54010
3	4	1451	1748	620	53730
4	5	1770	2111	450	46620

```
In [ ]: 1 #TOTAL NUMBER OF STORES
```

```
In [5]: 1 num_stores = dataset.shape[0]
```

```
In [6]: 1 print("The total number of stores in the dataset is:", num_stores)
```

The total number of stores in the dataset is: 896

```
In [ ]: 1 ##STORES WITH TOP 5 HIGHEST ITEM AVAILABLE
```

```
In [7]: 1 sorted_dataset = dataset.sort_values('Items_Available', ascending=False)
```

```
In [8]: 1 top_5_stores = sorted_dataset.head(5)
```

2

```
In [10]: 1 print("Stores with the top 5 highest number of items available:")
2 print(top_5_stores)
```

Stores with the top 5 highest number of items available:

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
466	467	2229	2667	660	87410
540	541	2214	2647	740	65900
91	92	2169	2617	600	67080
398	399	2063	2493	810	51480
849	850	2067	2492	790	70230

```
In [ ]: 1 ##STORES WITH HIGHEST DAILY CUSTOMERS (TOP 10)
```

```
In [11]: 1 sorted_dataset = dataset.sort_values('Daily_Customer_Count', ascending=False)
```

```
In [12]: 1 top_10_stores = sorted_dataset.head(10)
```

2

```
In [14]: 1 print("Stores with the top 10 highest number of daily customers:")
2 print(top_10_stores)
```

Stores with the top 10 highest number of daily customers:

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
848	849	919	1099	1560	73810
349	350	1886	2228	1530	40350
535	536	1057	1262	1490	35420
94	95	1921	2305	1470	77120
312	313	1494	1806	1450	43640
16	17	1578	1907	1440	77250
334	335	1624	1973	1440	44660
231	232	1397	1661	1410	49160
83	84	1572	1884	1410	42670
648	649	1514	1794	1400	54820

```
In [ ]: 1 ##To find the stores with the top 5 highest store sales.
```

```
In [55]: 1 sorted_dataset = dataset.sort_values(by='Store_Sales', ascending=False)
2
```

```
In [57]: 1 top_5_stores = sorted_dataset.head(5)
2
3 top_5_stores.loc[:, 'Store_Sales'] = top_5_stores['Store_Sales'].apply(lambda x: '${:,.2f}'.format(x))
4
```

```
In [58]: 1 print(top_5_stores)
```

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
649	650	1989	2414	860	\$1,163.20
868	869	1775	2104	980	\$1,051.50
432	433	1365	1638	680	\$1,029.20
408	409	1303	1587	1310	\$1,023.10
758	759	1486	1758	820	\$1,018.20

```
In [ ]: 1 ##STORE WITH LEAST STORE SALES
```

```
In [64]: 1 sorted_dataset = dataset.sort_values(by='Store_Sales')
2
```

```
In [65]: 1 least_sales_store = sorted_dataset.head(1)
2
```

```
In [66]: 1 least_sales_store.loc[:, 'Store_Sales'] = least_sales_store['Store_Sales'].apply(lambda x: '${:,.2f}'.format(x))
```

```
In [67]: 1 print(least_sales_store)
```

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
31	32	1250	1508	990	\$149.20

```
In [ ]: 1 ##STORE WITH LEAST DAILY CUSTOMER
```

```
In [36]: 1 sorted_dataset = dataset.sort_values(by='Daily_Customer_Count')
```

```
In [37]: 1 least_customers_store = sorted_dataset.head(1)
2
```

```
In [40]: 1 print(least_customers_store)
```

	Store ID	Store_Area	Items_Available	Daily_Customer_Count	Store_Sales
39	40	1270	1516	10	45480

```
In [ ]: 1
```