EDS MIDSEM PRACTICAL

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CSV File -

https://drive.google.com/file/d/1bghrw1SNnb0vbW_Cf_LqUVBSDVtyPDkf/view?usp=sharing

Sr. No.	Drug Name	Quantity	Supplier	Cost per unit
1	Vitamin A	1000	Mayur	100
2	Vitamin B	1500	Ankit	150
3	Vitamin C	500	Punit	300
4	Vitamin D	200	Sumedh	800
5	Vitamin E	400	Ruhi	500
6	Vitamin F	600	Mayur	550
7	Paracetamol	1200	Ankit	300
8	Disprin	1100	Rohan	200
9	Adulsa	700	Pragati	250
10	Micron	2000	Mayur	98
11	Kalpal	1900	Pragati	77
12	Nahandel	2100	Sumedh	245
13	Polysacharide	3000	Ruhi	545
14	Drotin	450	Mayur	366
15	Falcon	275	Sumedh	88
16	Marychoride	900	Ruhi	45
17	Lemeno	600	Ankit	82
18	Jahaden	300	Sumedh	91
19	Hafst	1000	Punit	333
20	Mahud	500	Ankit	244

1) Fetch The data.

Code –

```python
import pandas as pd
df = pd.read_csv("/content/MSE_PRACTICAL_FILE.csv")
print(df)
```

Output-

```
Sr. No.    Drug Name  Quantity Supplier  Cost per unit
0        1   Vitamin A     1000   Mayur            100
1        2   Vitamin B     1500   Ankit            150
2        3   Vitamin C      500   Punit            300
```

```
3       4        Vitamin D     200    Sumedh        800
4       5        Vitamin E     400     Ruhi         500
5       6        Vitamin F     600    Mayur         550
6       7       Paracetamol   1200    Ankit         300
7       8          Disprin    1100    Rohan         200
8       9           Adulsa     700   Pragati        250
9      10           Micron    2000    Mayur          98
10      11           Kalpal    1900   Pragati         77
11      12         Nahandel    2100   Sumedh         245
12      13     Polysacharide   3000    Ruhi          545
13      14           Drotin     450    Mayur         366
14      15           Falcon     275    Sumedh         88
15      16       Marychoride    900    Ruhi           45
16      17           Lemeno     600    Ankit          82
17      18          Jahaden     300    Sumedh         91
18      19            Hafst    1000    Punit         333
       19      20          Mahud      500    Ankit              244
```

2) Arrange in descending w.r.t quantity

Code –

```
df.sort_values(by = ['Quantity'],ascending=False)
```

Output-
index,Sr. No.,Drug Name,Quantity,Supplier,Cost per unit
12,13,Polysacharide,3000,Ruhi,545
11,12,Nahandel,2100,Sumedh,245
9,10,Micron,2000,Mayur,98
10,11,Kalpal,1900,Pragati,77
1,2,Vitamin B,1500,Ankit,150
6,7,Paracetamol,1200,Ankit,300
7,8,Disprin,1100,Rohan,200
18,19,Hafst,1000,Punit,333
0,1,Vitamin A,1000,Mayur,100
15,16,Marychoride,900,Ruhi,45
8,9,Adulsa,700,Pragati,250
5,6,Vitamin F,600,Mayur,550
16,17,Lemeno,600,Ankit,82
2,3,Vitamin C,500,Punit,300
19,20,Mahud,500,Ankit,244
13,14,Drotin,450,Mayur,366
4,5,Vitamin E,400,Ruhi,500
17,18,Jahaden,300,Sumedh,91
14,15,Falcon,275,Sumedh,88
3,4,Vitamin D,200,Sumedh,800

3) Use json dump in dictionary

Code-

```
import json
Dict = json.dumps(df)
```

4) Use function for fetching cost per unit of drug which is greater than or equal to 88

Code-

```
import csv
def cost_per_unit_of_drug(value):
    with open('/content/MSE_PRACTICAL_FILE.csv', 'r') as file:
        reader = csv.reader(file)
        for row in reader:
            if row[4]>=88:
```