```python
#!/usr/bin/env python
# coding: utf-8
# In[84]:


import numpy as np
import pandas as pd


# In[85]:


data = pd.read_csv('D:\\Assignment_578\\grainsales.csv',usecols = [0,1,2,3,4,5,6])


# In[86]:


df = pd.DataFrame(data)
print(df)


# In[87]:


#null_records = df.isnull()
#print(null_records)


# In[88]:


#df1 = df.drop_duplicates()
#print(df1)


# In[89]:


sale_count_month = df[['Sales','Months']].value_counts()
print(sale_count_month)
sale_count_month_dict = dict(sale_count_month)

Keymax = max(zip(sale_count_month_dict.keys(),sale_count_month_dict.values()))[0]
print("The best month for sales was :",Keymax [1])
print("The particular sale from each division was :",Keymax[0])
Valmax = max(zip(sale_count_month_dict.keys(),sale_count_month_dict.values()))[1]
print("The total count from each division was :",Valmax)
if Keymax in sale_count_month_dict:
total_sale = Keymax[0]*Valmax
print("The total sale for that month was",total_sale)


# In[90]:


GrainName_count= df[['GrainName','Sales']].value_counts()
print(GrainName_count)
GrainName_count_dict = dict(GrainName_count)
Keymax1 = max(zip(GrainName_count_dict.values(), GrainName_count_dict.keys()))[1]
print("The most sold product was :",Keymax1[0])
mincost = df[['Sales']].min()
print("the product which was sold the most was",Keymax1[0],"it was sold the most because the cost
was",Keymax1[1],"\nwhich was the lowset compared to another products")
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```python
# In[91]:

city_most_sale_product_count = df[['GrainName','City']].value_counts()
print(city_most_sale_product_count)
city_most_sale_product_count_dict = dict(city_most_sale_product_count)

Keymax2 =
max(zip(city_most_sale_product_count_dict.values(),city_most_sale_product_count_dict.keys()))[1]
print(" The which city sold the most products:",Keymax2[1])
print("The product which was sold th most was :",Keymax2[0])

# In[98]:

most_togther_saled_product = df.groupby('Order ID',).count()
print(most_togther_saled_product)
print(max)

# In[ ]:
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