



```
import pandas as pd
df = pd.read_csv("Auto Sales data.csv")
df.head()
```



	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORDERDATE	DAYS_SINCE_LASTORDER	STATUS	PRODUCTLINE	MSRP	PR
0	10107	30	95.70	2	2871.00	24/02/2018	828	Shipped	Motorcycles	95	
1	10121	34	81.35	5	2765.90	07/05/2018	757	Shipped	Motorcycles	95	
2	10134	41	94.74	2	3884.34	01/07/2018	703	Shipped	Motorcycles	95	
3	10145	45	83.26	6	3746.70	25/08/2018	649	Shipped	Motorcycles	95	
4	10168	36	96.66	1	3479.76	28/10/2018	586	Shipped	Motorcycles	95	

```
#Handling Missing Values
```


```
df.isnull().sum()
```



	0
ORDERNUMBER	0
QUANTITYORDERED	0
PRICEEACH	0
ORDERLINENUMBER	0
SALES	0
ORDERDATE	0
DAYS_SINCE_LASTORDER	0
STATUS	0
PRODUCTLINE	0
MSRP	0
PRODUCTCODE	0
CUSTOMERNAME	0
PHONE	0
ADDRESSLINE1	0
CITY	0
POSTALCODE	0
COUNTRY	0
CONTACTLASTNAME	0
CONTACTFIRSTNAME	0
DEALSIZE	0

```
dtype: int64
```

```
df.dropna()
```



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...	...	...	...	...	...	...	...	...	...	...
2742	10350	20	112.22	15	2244.40	02/12/2019	2924	Shipped	Ships	54
2743	10373	29	137.19	1	3978.51	31/01/2020	2865	Shipped	Ships	54
2744	10386	43	125.99	4	5417.57	01/03/2020	2836	Resolved	Ships	54
2745	10397	34	62.24	1	2116.16	28/03/2020	2810	Shipped	Ships	54
2746	10414	47	65.52	9	3079.44	06/05/2020	2772	On Hold	Ships	54

2747 rows × 20 columns

```
df = df.drop_duplicates()

df.to_csv("auto_sales_cleaned.csv", index=False)
```

Start coding or [generate](#) with AI.