```
import pandas as pd
import json
df_excel=pd.read_excel("/content/drive/MyDrive/fde/lab1/Covid Dashboard.xlsx")
print("\nExcel File Head:")
df_excel.head()
```

```
Excel File Head:
```

	State/UTs	Zone	Total Cases	Active	Discharged	Deaths	Active Ratio	Discharge Ratio	Discharge Avg	Death Ratio	Death Avg	Population
0	Andaman and Nicobar	South	7670	7	7534	129	0.09	98.23	Below Average	1.68	Above Average	399001
1	Andhra Pradesh	South	2069770	3128	2052230	14412	0.15	99.15	Above Average	0.70	Below Average	91702478
2	Arunachal Pradesh	East	55216	42	54894	280	0.08	99.42	Above Average	0.51	Below Average	1711947
3	Assam	East	613784	3272	604465	6047	0.53	98.48	Above Average	0.99	Below Average	35998752
4	Bihar	East	726153	29	716462	9662	0.00	98.67	Above Average	1.33	Above Average	128500364

```
df_csv=pd.read_csv("/content/drive/MyDrive/fde/lab1/StudentsPerformance.csv")
print("\nCSV File Head:")
df_csv.head()
```

```
CSV File Head:
```

	gender	race/ethnicity	parental level of education	lunch	test preparation course	math score	reading score	writing score
0	female	group B	bachelor's degree	standard	none	72	72	74
1	female	group C	some college	standard	completed	69	90	88
2	female	group B	master's degree	standard	none	90	95	93
3	male	group A	associate's degree	free/reduced	none	47	57	44
4	male	group C	some college	standard	none	76	78	75

```
df_txt=pd.read_csv("/content/drive/MyDrive/fde/lab1/Order.txt")
print("\nText File Head:")
print(df_txt.head())
```

```
Text File Head:
  Order 1001 was placed by Ravi Kumar on 10 January 2026.
0       He ordered one laptop costing 55000 rupees.
1         The order has been delivered successfully.
```

```
df_json=pd.read_json("/content/drive/MyDrive/fde/lab1/titanic.json")
print("\nJSON File Head:")
df_json.head()
```

```
JSON File Head:
```

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	"Braund, Mr. Owen Harris"	male	22	1	0	A/5 21171	7.2500		S
1	2	1	1	"Cumings, Mrs. John Bradley (Florence Briggs T...	female	38	1	0	PC 17599	71.2833	C85	C
2	3	1	3	"Heikkinen, Miss. Laina"	female	26	0	0	STON/O2. 3101282	7.9250		S

```
with open("/content/drive/MyDrive/fde/lab1/order_nested.json")as f:nested_data = json.load(f)
df_json_nested=pd.json_normalize(nested_data)
print("\nNested JSON File Head:")
df_json_nested.head()
```

```
Nested JSON File Head:
```

1 entry Filter

index	orders
0	{'order_id': 1001, 'order_date': '2026-01-10', 'status': 'Delivered', 'customer': {'customer_id': 'C001', 'name': 'Ravi Kumar', 'city': 'Bengaluru'}, 'items': [{'product_id': 'P101', 'product_name': 'Laptop', 'quantity': 1, 'price': 55000}], 'payment': {'method': 'UPI', 'amount': 55000}},{'order_id': 1002, 'order_date': '2026-01-11', 'status': 'Shipped', 'customer': {'customer_id': 'C002', 'name': 'Ananya Singh', 'city': 'Hyderabad'}, 'items': [{'product_id': 'P102', 'product_name': 'Mobile Phone', 'quantity': 2, 'price': 18000}], 'payment': {'method': 'Credit Card', 'amount': 18000}}