**Practical No:4**

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**Title:->** Write Python code loads the any dataset and does some basic cleaning.

**Dataset:->** “mobile\_data1.csv”

Name,Price,Country

Samsung galaxy F41,20000,korea

Redmi y2,12000,china

Vivo Y11s,15000,china

Realme Q2 pro,21000,china

Nokia 2V tella,10000,India

Motorola moto G9 plus,13000,Japan

Oppo reno 4F,25000,china

OnePlus 8T,35000,USA

Apple iPhone 12 Pro,70000,USA

Jiophone,5000,India

**Program:->**

import pandas as pd

df=pd.read\_csv("mobile\_data1.csv",delimiter=",")

print("<--------------------------:Pandas Head function Result:-------------------------->")

#Used head function:-->It show head data of dataframe

print(df.head())

print("<--------------------------:Pandas Tail function Result:-------------------------->")

#Used Tailfunction:-->It show tail data of dataframe

print(df.tail())

print("<--------------------------:Pandas Sample function Result:-------------------------->")

#Used sample function:--->It shows random data from dataframe

sample=df.sample(n=4)

print(sample)

print("<--------------------------:Pandas Select\_dtypes function Result:-------------------------->")

#Used select\_dtypes function

#It shows int data type column:--->

print(df.select\_dtypes(include='int64'))

print("<--------------------------:Pandas Replace function Result:-------------------------->")

#Used replace function:--->It replace perticular word by another word

df1=df.replace("china","Britan")

print(df1)

**Output:->**

**<--------------------------:Pandas Head function Result:-------------------------->**

**Name Price Country**

**0 Samsung galaxy F41 20000 korea**

**1 Redmi y2 12000 china**

**2 Vivo Y11s 15000 china**

**3 Realme Q2 pro 21000 china**

**4 Nokia 2V tella 10000 India**

**<--------------------------:Pandas Tail function Result:-------------------------->**

**Name Price Country**

**5 Motorola moto G9 plus 13000 Japan**

**6 Oppo reno 4F 25000 china**

**7 OnePlus 8T 35000 USA**

**8 Apple iPhone 12 Pro 70000 USA**

**9 Jiophone 5000 India**

**<--------------------------:Pandas Sample function Result:-------------------------->**

**Name Price Country**

**2 Vivo Y11s 15000 china**

**8 Apple iPhone 12 Pro 70000 USA**

**6 Oppo reno 4F 25000 china**

**3 Realme Q2 pro 21000 china**

**<--------------------------:Pandas Select\_dtypes function Result:-------------------------->**

**Price**

**0 20000**

**1 12000**

**2 15000**

**3 21000**

**4 10000**

**5 13000**

**6 25000**

**7 35000**

**8 70000**

**9 5000**

**<--------------------------:Pandas Replace function Result:-------------------------->**

**Name Price Country**

**0 Samsung galaxy F41 20000 korea**

**1 Redmi y2 12000 Britan**

**2 Vivo Y11s 15000 Britan**

**3 Realme Q2 pro 21000 Britan**

**4 Nokia 2V tella 10000 India**

**5 Motorola moto G9 plus 13000 Japan**

**6 Oppo reno 4F 25000 Britan**

**7 OnePlus 8T 35000 USA**

**8 Apple iPhone 12 Pro 70000 USA**

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