

```
#This is the Questions
# (1).Compare the sales and orders using single chart
# (2).Which month got the highest sales and orders?
# (3).Who purchased more- men or women in 2022?
# (4).What are different order status in 2022?
# (5).List top 10 states contributing to the sales?
# (6).Relation between age and gender based on number of orders
# (7).Which channel is contributing to maximum sales?
# (8).Highest selling category?
```

```
from pyspark.sql import SparkSession
from pyspark.sql import functions as f
from pyspark.sql.types import DateType
import seaborn as sns
import matplotlib.pyplot as plt
```

```
df= spark.read.csv ("/FileStore/Vrinda Store Data Analysis csv.csv",header=True,inferSchema=True)
 df.show()
                              IN|false|
DU |
             631003|
                                                                                                                                                    GUWAHATI|
    13|408-0265357-4939534| 265357| Women| 18|12/4/2022|Delivered| Amazon|
                                                                                 SET217-KR-PP-XL
                                                                                                           Set| XL| 1|
                                                                                                                             INR
                                                                                                                                    786
                                                                                                                                                                      ASS
AM
             781017|
                              IN|false|
    14|403-9268874-7296313|9268874| Men| 44|12/4/2022|Delivered|
                                                                    Myntral
                                                                                  SET185-KR-NP-M
                                                                                                                  M \mid 1 \mid
                                                                                                                                                   BENGALURU|
                                                                                                                                                                  KARNATA
                                                                                                                             INR
                                                                                                                                    911
KA
             562125
                              IN|false|
   15|407-0442660-2736366| 442660| Women| 52|12/4/2022|Delivered|
                                                                    Amazon
                                                                                 SET333-KR-DPT-M
                                                                                                           Set
                                                                                                                  M| 1|
                                                                                                                             INR
                                                                                                                                    967
                                                                                                                                                   HYDERABAD|
                                                                                                                                                                  TELANGA
             500098|
                              IN|false|
NA
   16|406-7482261-1657136|7482261| Women| 18|12/4/2022|Delivered|
                                                                     Nalli|
                                                                                      J0124-TP-L|
                                                                                                                  L| 1|
                                                                                                                                                   NEW DELHI
                                                                                                                                                                      DEL
                                                                                                           Top
                                                                                                                             INR|
                                                                                                                                    523
HI
                              IN|false|
             110062
    17|407-7039962-7080347|7039962| Men| 30|12/4/2022|Delivered|
                                                                                SET304-KR-DPT-XL
                                                                                                                                                 Bhubaneswar|
                                                                                                                                                                     ODIS
                                                                    Meeshol
                                                                                                           Set
                                                                                                                 XL| 1|
                                                                                                                             INR
                                                                                                                                   1115
HA
             751022
                              IN|false|
   18|407-3422488-7373923|3422488| Women| 48|12/4/2022|Delivered|
                                                                    Others|
                                                                                 SET184-KR-PP-XS
                                                                                                                XS| 1|
                                                                                                                             INR|
                                                                                                                                    563
                                                                                                                                                      SIROHI|
                                                                                                                                                                  RAJASTH
                                                                                                           Set
                              IN|false|
AN
             307001
    19 | 171 - 8974687 - 6745940 | 8974687 |
                                                                                    J0161-DR-XXL|Western Dress| XXL| 1|
                                                                                                                                                      MUMBAI|
                                    Men| 24|12/4/2022|Delivered| Myntra|
                                                                                                                             INR
                                                                                                                                    473
                                                                                                                                                                MAHARASHT
RA
             400097
                              IN|false|
                                                                                                                                                    AMRITSAR|
    20|406-0244536-2177175| 244536| Women| 46|12/4/2022|Delivered| Amazon|
                                                                                  SET233-KR-PP-M
                                                                                                           Set
                                                                                                                  M| 1|
                                                                                                                             INR
                                                                                                                                    545
                                                                                                                                                                     PUNJ
AB
             143001
                              IN|false|
only showing top 20 rows
```