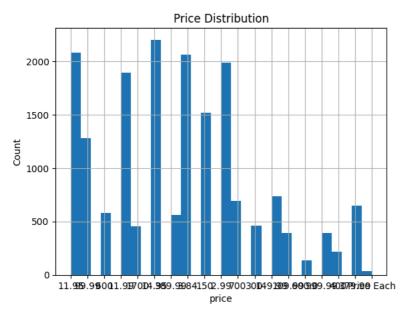
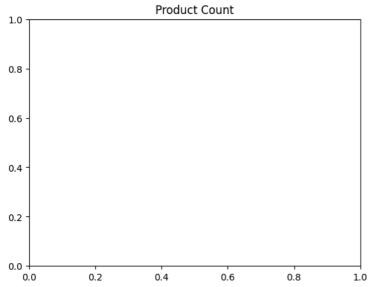
```
Double-click (or enter) to edit
```

```
import pandas as pd
df = pd.read_csv('/content/Sales_April_2019.csv')
print("FIrst 5 rows:")
print(df.head(5))
→ FIrst 5 rows:
       Order ID
                                    Product Quantity Ordered Price Each \
     0
        176558
                       USB-C Charging Cable
                                                                   11.95
                                                            2
     1
           NaN
                                        NaN
                                                          NaN
                                                                     NaN
         176559 Bose SoundSport Headphones
                                                                   99.99
     2
                                                            1
     3
        176560
                               Google Phone
                                                            1
                                                                    600
     4
        176560
                           Wired Headphones
                                                                   11.99
            Order Date
                                             Purchase Address
     0 04/19/19 08:46
                                917 1st St, Dallas, TX 75001
       04/07/19 22:30
                           682 Chestnut St, Boston, MA 02215
     2
     3 04/12/19 14:38 669 Spruce St, Los Angeles, CA 90001
4 04/12/19 14:38 669 Spruce St, Los Angeles, CA 90001
print("Shape of dataset:", df.shape)
print("Column names:", df.columns)
print("Info:")
print(df.info())
     Shape of dataset: (18383, 6)
     Column names: Index(['Order ID', 'Product', 'Quantity Ordered', 'Price Each', 'Order Date',
            'Purchase Address'],
           dtype='object')
     Info:
     <class 'pandas.core.frame.DataFrame'>
     RangeIndex: 18383 entries, 0 to 18382
     Data columns (total 6 columns):
      # Column
                            Non-Null Count Dtype
      0
         Order ID
                            18324 non-null object
          Product
                            18324 non-null
                                            object
          Quantity Ordered 18324 non-null object
          Price Each
                            18324 non-null object
         Order Date
                            18324 non-null object
         Purchase Address 18324 non-null object
     dtypes: object(6)
     memory usage: 861.8+ KB
     None
print("Missing values in each column:", df.isnull().sum())
→ Missing values in each column: Order ID
     Product
                         59
     Quantity Ordered
                         59
     Price Each
                         59
     Order Date
                         59
     Purchase Address
                         59
     dtype: int64
print("Number of duplicate rows:", df.duplicated().sum())
Number of duplicate rows: 114
import matplotlib.pyplot as plt
import seaborn as sns
df['Price Each'].hist(bins=30)
plt.title('Price Distribution')
plt.xlabel('price')
plt.ylabel('Count')
plt.show()
sns.countplot(Y='Product', data=df)
plt.title('Product Count')
plt.show()
```







Start coding or generate with AI.

```
<del>∫</del>₹
```

ValueError: Could not interpret value `product` for `y`. An entry with this name does not appear in `data`.

```
# Basic Banking System

# Predefined login details
username = "kartik"
password = "1234"

# Login
print("  Welcome to Python Bank ")
input_user = input("Enter username: ")
input_pass = input("Enter password: ")
```

```
# Check login
if input user == username and input pass == password:
   print("\n ✓ Login Successful!")
   balance = 1000 # Initial balance
   while True:
       print("\n <a> --- Banking Menu ---")
       print("1. Check Balance")
       print("2. Credit (Deposit)")
       print("3. Debit (Withdraw)")
       print("4. Exit")
       choice = input("Enter your choice (1-4): ")
       if choice == '1':
           print(f" is Current Balance: ₹{balance}")
       elif choice == '2':
           amount = float(input("Enter amount to credit: ₹"))
           if amount > 0:
              balance += amount
               else:
               print("X Invalid amount!")
       elif choice == '3':
           amount = float(input("Enter amount to debit: ₹"))
           if 0 < amount <= balance:</pre>
               balance -= amount
               print(f"  Debited ₹{amount}. New Balance: ₹{balance}")
           else:
               print("X Insufficient balance or invalid amount!")
       elif choice == '4':
           print(" in Thank you for using Python Bank!")
           print("X Invalid choice. Please select 1 to 4.")
else:
   print("X Login failed. Invalid username or password.")
    Enter username: kartik
    Enter password: 1234
     ☑ Login Successful!
     📋 --- Banking Menu ---
    1. Check Balance
    Credit (Deposit)
    3. Debit (Withdraw)
    4. Exit
    Enter your choice (1-4): 1
     6 Current Balance: ₹1000
     📋 --- Banking Menu ---
    1. Check Balance
    2. Credit (Deposit)
    3. Debit (Withdraw)
    4. Exit
    Enter your choice (1-4): 2
    Enter amount to credit: ₹5000
     Credited ₹5000.0. New Balance: ₹6000.0
     🗐 --- Banking Menu ---
    1. Check Balance
    2. Credit (Deposit)
    3. Debit (Withdraw)
    4. Exit
    Enter your choice (1-4): 3
    Enter amount to debit: ₹1500
     ☑ Debited ₹1500.0. New Balance: ₹4500.0
     📋 --- Banking Menu ---
    1. Check Balance
    Credit (Deposit)
    3. Debit (Withdraw)
    4. Exit
    Enter your choice (1-4): 4
     Thank you for using Python Bank!
```