**S.SRIMAN**

**18MIS0252**

**SOLUTION TO THE FIRST QUESTION**

import pandas as pd

grocery = pd.read\_csv("main.csv")

grocery.head()

grocery.groupby('product\_description')['price'].mean()

grocery["price\_new"] = grocery['price'].fillna(

grocery.groupby('product\_description')['price'].transform("mean")

)

grocery[grocery["price"].isna()].head()

**SOLUTION TO THE THIRD QUESTION**

grocery[“sales\_amount”]= grocery[“sales\_quantity”].where(grocery[“unit”]!=”pcs”, grocery[“product\_description”].str.split(“-“, expand=True)[1].astype(“float”)\*\grocery[“sales\_quantity”]

)