CONSUMER GOODS AD-HOC INSIGHTS FOR ATLIQ HARDWARES

BY SWASTIK PAUL

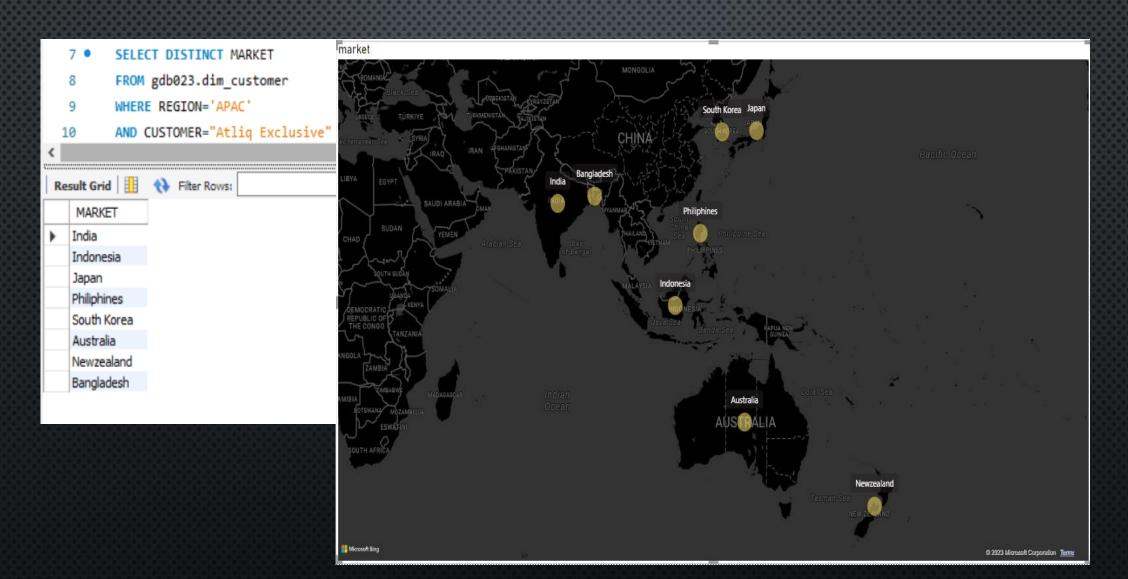
BUSINESS PROBLEM

- ATLIQ HARDWARES IS ONE OF THE LEADING COMPUTER HARDWARE PRODUCERS IN INDIA
 AND WELL EXPANDED IN OTHER COUNTRIES TOO.
- However, the management noticed that they do not get enough insights to make quick and smart data-informed decisions. They want to expand their data analytics team by adding several junior data analysts. Tony Sharma, their data analytics director wanted to hire someone who is good at both tech and soft skills. Hence, he decided to conduct a SQL challenge which will help him understand both the skills.

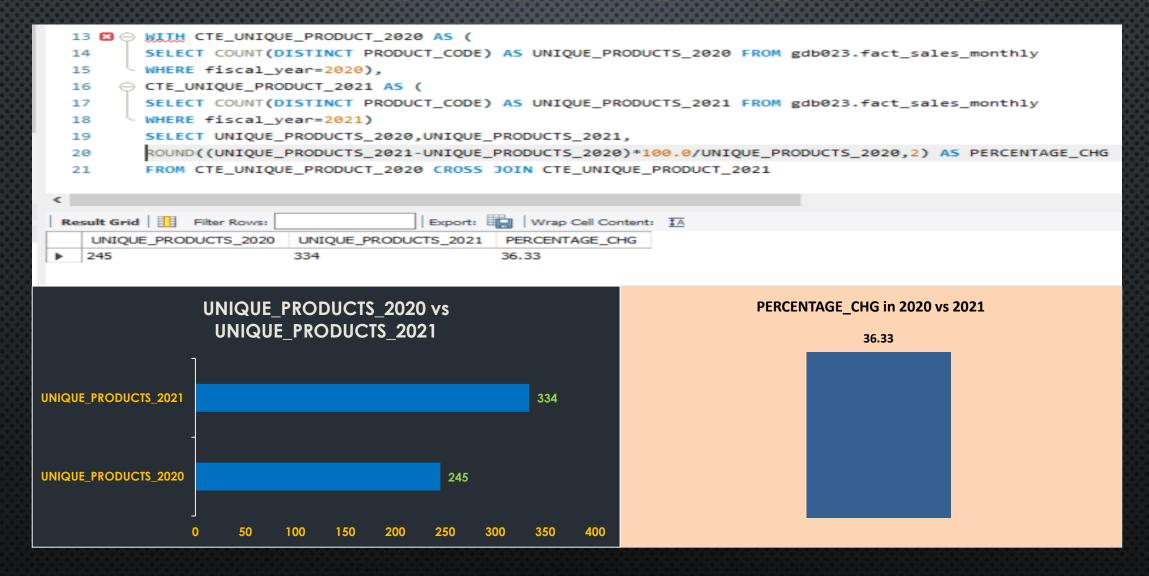
Domain: Consumer Goods Function: Executives

AD-HOC REQUEST 1 PROVIDE THE LIST OF MARKETS IN WHICH CUSTOMER "ATLIQ EXCLUSIVE" OPERATES ITS BUSINESS IN THE APAC

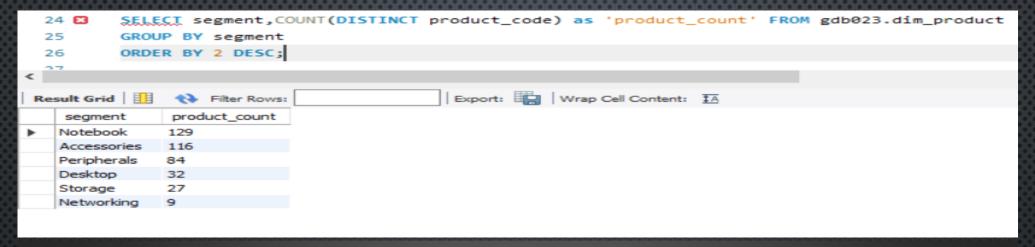
REGION.

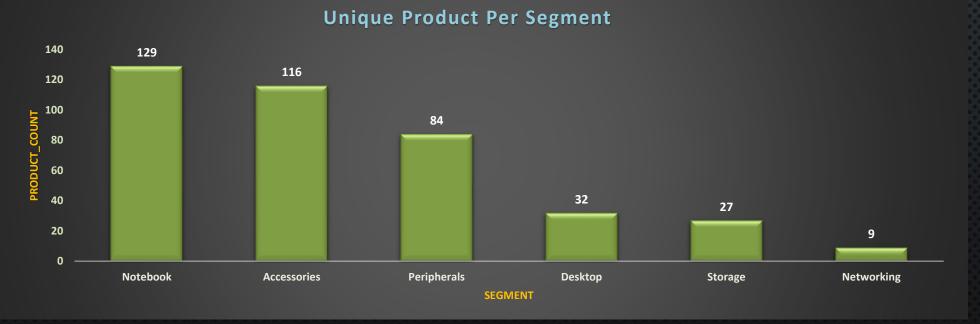


WHAT IS THE PERCENTAGE OF UNIQUE PRODUCT INCREASE IN 2021 VS. 2020? THE FINAL OUTPUT CONTAINS THESE FIELDS, UNIQUE_PRODUCTS_2020 UNIQUE_PRODUCTS_2021 PERCENTAGE_CHG

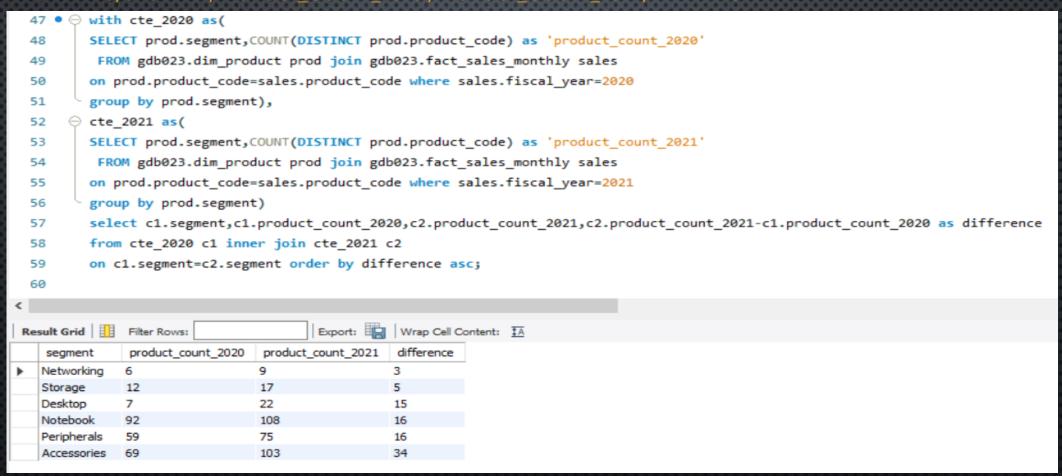


PROVIDE A REPORT WITH ALL THE UNIQUE PRODUCT COUNTS FOR EACH SEGMENT AND SORT THEM IN DESCENDING ORDER OF PRODUCT COUNTS. THE FINAL OUTPUT CONTAINS 2 FIELDS, SEGMENT PRODUCT COUNT

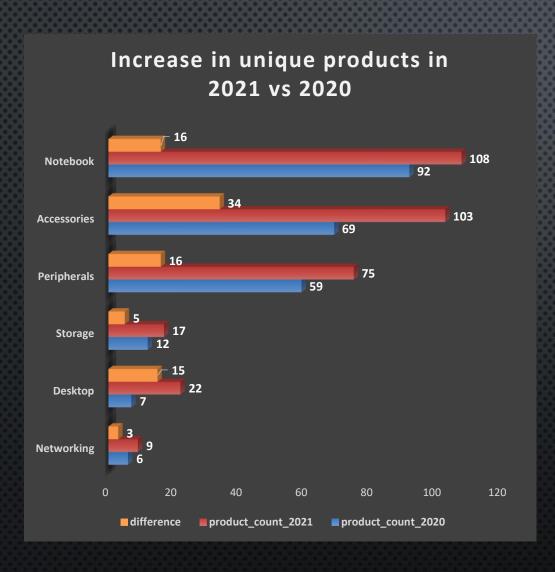




WHICH SEGMENT HAD THE MOST INCREASE IN UNIQUE PRODUCTS IN 2021 VS 2020? THE FINAL OUTPUT CONTAINS THESE FIELDS, SEGMENT, PRODUCT COUNT 2020, PRODUCT COUNT 2021, DIFFERENCE

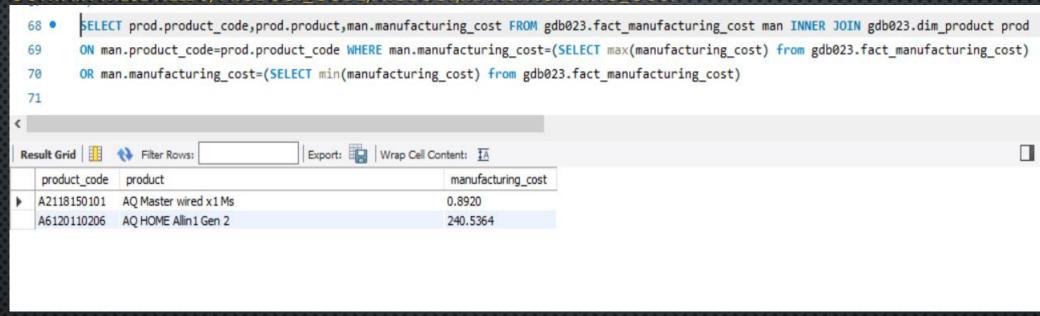


INSIGHTS & VISUAL REPRESENTATION OF REQUEST 4



- THE MAX GROWTH IN UNIQUE PRODUCT SOLD IS SEEN FOR ACCESSORIES & DIFFERENCE IS 34
- THE MIN GROWTH IN UNIQUE PRODUCT SOLD IS SEEN FOR NETWORKING & DIFFERENCE IS 3

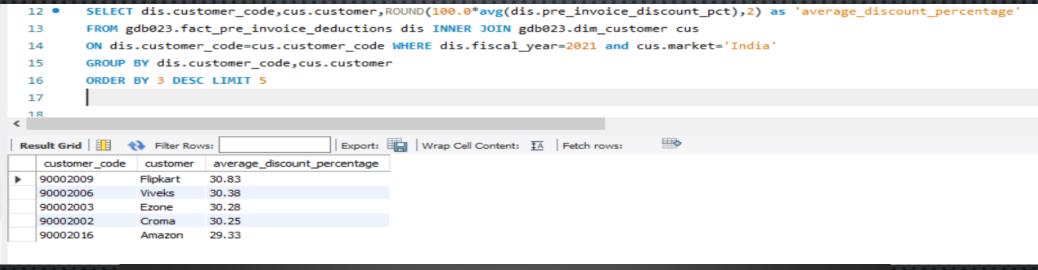
GET THE PRODUCTS THAT HAVE THE HIGHEST AND LOWEST MANUFACTURING COSTS. THE FINAL OUTPUT SHOULD CONTAIN THESE FIELDS. PRODUCT CODE, PRODUCT, MANUFACTURING COST

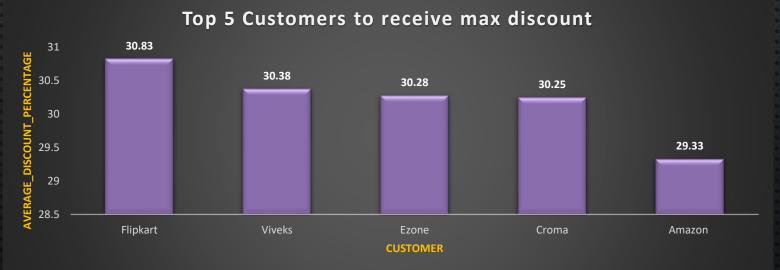


INSIGHTS

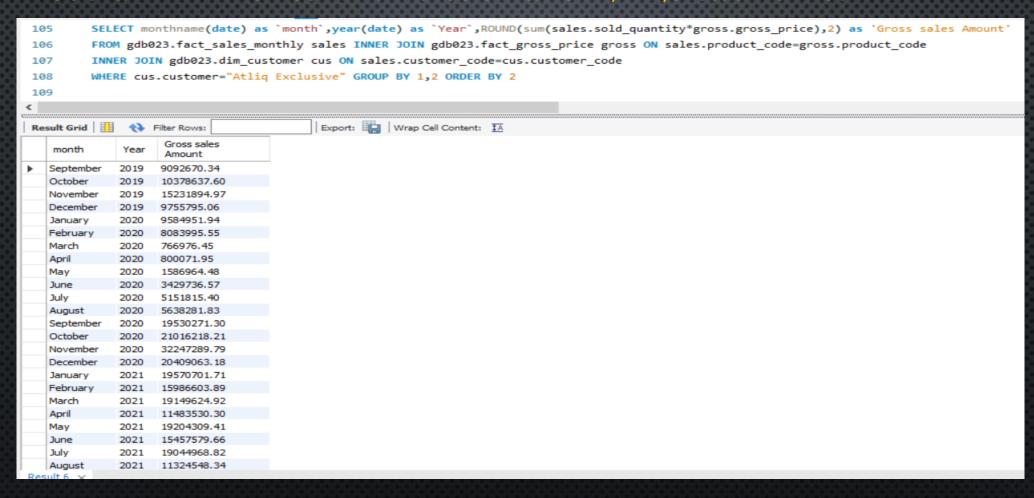
- MIN MANUFACTURING COST: 0.8920
- MAX MANUFACTURING COST: 240.5364

GENERATE A REPORT WHICH CONTAINS THE TOP 5 CUSTOMERS WHO RECEIVED AN AVERAGE HIGH PRE_INVOICE_DISCOUNT_PCT FOR THE FISCAL YEAR 2021 AND IN THE INDIAN MARKET. THE FINAL OUTPUT CONTAINS THESE FIELDS, CUSTOMER CODE, CUSTOMER, AVERAGE DISCOUNT PERCENTAGE

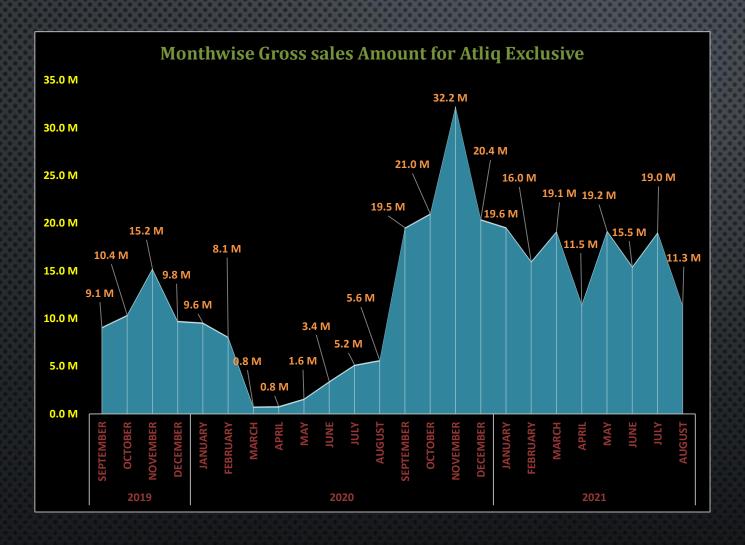




GET THE COMPLETE REPORT OF THE GROSS SALES AMOUNT FOR THE CUSTOMER "ATLIQ EXCLUSIVE" FOR EACH MONTH. THIS ANALYSIS HELPS TO GET AN IDEA OF LOW AND HIGH-PERFORMING MONTHS AND TAKE STRATEGIC DECISIONS.THE FINAL REPORT CONTAINS THESE COLUMNS: MONTH, YEAR, GROSS SALES AMOUNT

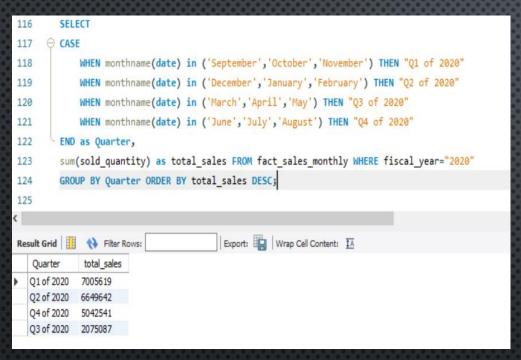


INSIGHTS & VISUAL REPRESENTATION OF REQUEST 7



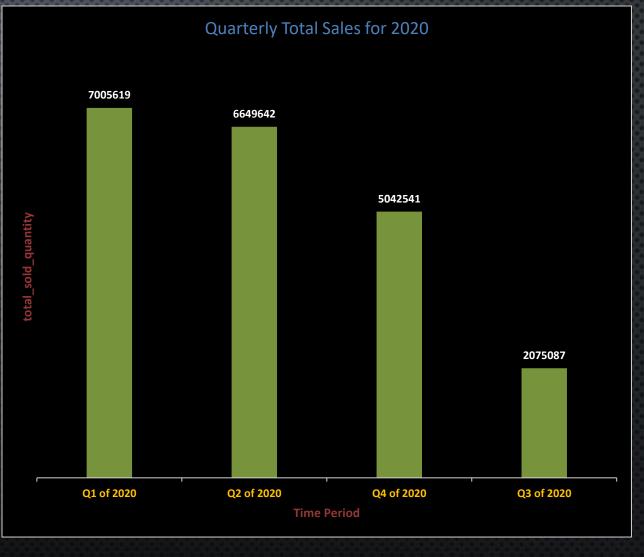
- MAX GROSS SALES IS SEEN
 ON NOV,2020 & SALES
 AMOUNT IS 32.2 MILLION
- MIN GROSS SALES IS SEEN ON MAR, APR, 2020 & SALES AMOUNT IS 0.8 MILLION

AD-HOC REQUEST 8 IN WHICH QUARTER OF 2020, GOT THE MAXIMUM TOTAL_SOLD_QUANTITY? THE FINAL OUTPUT CONTAINS THESE FIELDS SORTED BY THE TOTAL_SOLD_QUANTITY, QUARTER, TOTAL_SOLD_QUANTITY

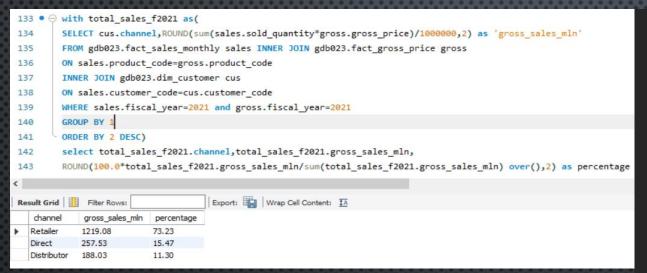


INSIGHTS

- In Q1,2020 MAX QUANTITY WAS SOLD
- In Q3,2020 MAX QUANTITY WAS SOLD



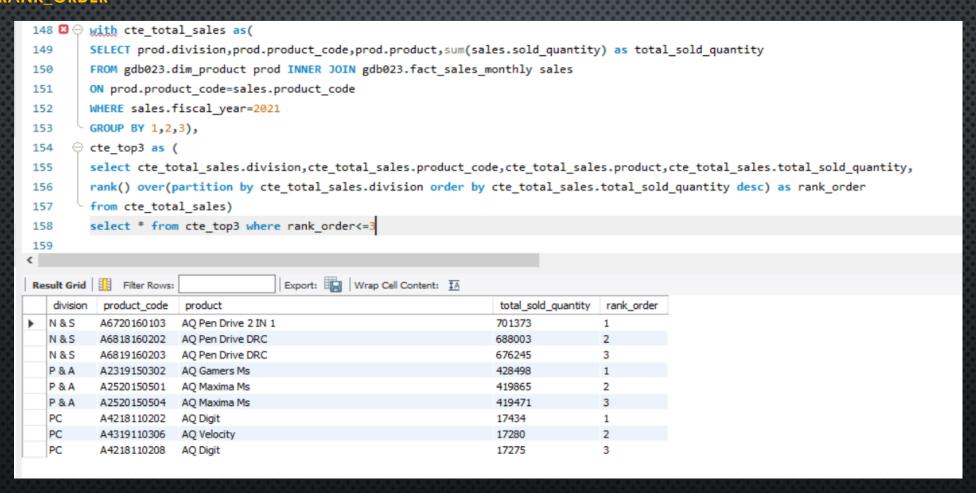
WHICH CHANNEL HELPED TO BRING MORE GROSS SALES IN THE FISCAL YEAR 2021 AND THE PERCENTAGE OF CONTRIBUTION? THE FINAL OUTPUT CONTAINS THESE FIELDS, CHANNEL GROSS SALES MLN PERCENTAGE



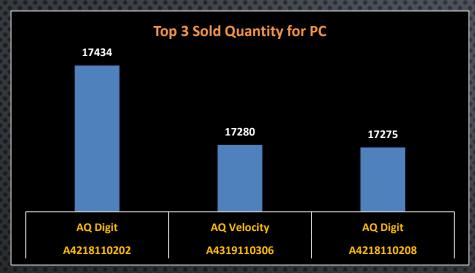


- INSIGHTS
- RETAIL CHANNEL IS GIVING THE MAXIMUM GROSS SALES (73% OF TOTAL) IN FISCAL YEAR 2021 & THE AMOUNT IS 1219.08 MILLION

GET THE TOP 3 PRODUCTS IN EACH DIVISION THAT HAVE A HIGH TOTAL_SOLD_QUANTITY IN THE FISCAL_YEAR 2021? THE FINAL OUTPUT CONTAINS THESE FIELDS, DIVISION, PRODUCT_CODE, PRODUCT, TOTAL_SOLD_QUANTITY, RANK_ORDER

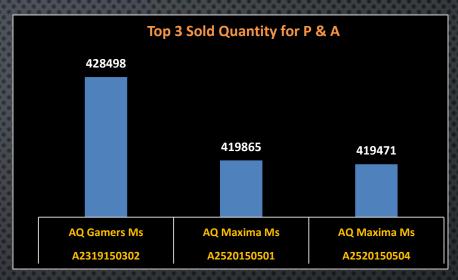


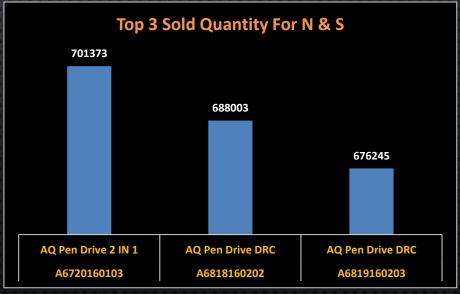
VISUALS & INSIGHTS FOR REQUEST 10



INSIGHTS

- TOP PRODUCT SOLD FROM PC DIVISON IS AQ DIGIT
- TOP PRODUCT SOLD FROM P&A DIVISON IS AQ GAMERS MS
- TOP PRODUCT SOLD FROM N&S DIVISON IS AQ PEN DRIVE 2 IN 1





END THANK YOU