Views for Reporting

1.TopCustomerViews

CREATE VIEW CUSTOMERSALES AS

SELECT NAME,

CITY,

SUM(PRICE*QUANTITY) AS "TOTAL_SPENT"

FROM CUSTOMERS C INNER JOIN ORDERS O ON O.CUSTOMER_ID = C.CUSTOMER_ID

INNER JOIN ORDEREDITEMS OI ON O.ORDER_ID = OI.ORDER_ID

INNER JOIN PRODUCTS P ON P.PRODUCT_ID = OI.PRODUCT_ID

GROUP BY NAME, CITY

ORDER BY TOTAL_SPENT DESC;

SELECT * FROM CUSTOMERSALES;

2.Monthly_Revenue

CREATE   VIEW MonthlyRevenue

AS SELECT date_format(ORDER_DATE,'%Y-%M') AS "MONTH",

SUM(PRICE*QUANTITY) AS "MONTHLY_SALES"

FROM ORDERS O INNER JOIN ORDEREDITEMS OI ON   O.ORDER_ID = OI.ORDER_ID

INNER JOIN PRODUCTS   P   ON   OI.PRODUCT_ID= P.PRODUCT_ID

GROUP BY MONTH;

SELECT * FROM MONTHLYREVENUE;

3. ProductSalesSummary

CREATE VIEW ProductSalesSummary AS

SELECT P.PRODUCT_ID,

P.PRODUCTNAME,

P.CATEGORY,

SUM(OI.QUANTITY) AS "TOTAL_UNITS_SOLD",

SUM(OI.QUANTITY*P.PRICE) AS TOTAL_REVENUE

FROM   PRODUCTS P   INNER JOIN ORDEREDITEMS OI ON P.PRODUCT_ID= OI.PRODUCT_ID

GROUP BY   P.PRODUCT_ID, P.PRODUCTNAME, P.CATEGORY

ORDER BY TOTAL_UNITS_SOLD DESC;

SELECT * FROM PRODUCTSALESSUMMARY;