**QUESTIONS ON SUBQUERY (CASE 2)**

1. WAQTD DETAILS OF THE CUSTOMERS WHO WANTS TO PURCHASE ‘ASUS-VIVOBOOK’.

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PNAME=’ASUS-VIVOBOOK’);

1. WAQTD DETAILS OF CUSTOMER WHO BOUGTH I PHONE 13.

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PNAME = ‘I PHONE 13’);

1. WAQTD NAME AND ADDRESS OF THE CUSTOMERS WHO BUYING THE PRODUCT WHICH ARE HAVING PRICE BETWEEN 20000 AND 70000.

ANS: SELECT CNAME , ADDRESS

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PRICE BETWEEN 20001 AND 69999);

1. WAQTD DETAILS OF THE PRODUCT BOUGHT BY ANAND.

ANS: SELECT \*

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CNAME = ‘ANAND’);

1. WAQTD ACTUAL PRICE AND WARRANTY OF THE PRODUCTS 1114 CUSTOMER PURCHASED.

ANS: SELECT ACTUAL\_PRICE, WARRANTY

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CID = 1114);

1. WAQTD NAME, ADDRESS AND PHONE NUMBER OF THE CUSTOMER WHO PURCHASED THE LAPTOP CATEGORY PRODUCT WITH 3YEARS WARRANTY.

ANS: SELECT CNAME, ADDRESS, PH\_NO

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE CATEGORY = ‘LAPTOP’ AND WARRANTY = ‘3YEARS’);

1. WAQTD DETAILS OF THE CUSTOMER WHO PURCHASED THE PRODUCTS WITH 60% DISCOUNT.

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE DISCOUNT = ‘60%’);

1. WAQTD NAME,MAIL ID , PHONE NUMBER OF THE CUSTOMER IF THEY PURCHASED THE PRODUCT SAMSUNG-F235G WITH 3YEARS WARRANTY.

ANS: SELECT CNAME,MAIL\_ID,PH\_NO

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PNAME = ‘SAMSUNG-F235G’ AND WARRANTY = ‘3YEARS’);

1. WAQTD DETAILS OF THE PRODUCT, IF THE CUSTOMER DOES NOT HAVE MAIL ID AND ALTERNATIVE PHONE NUMBER.

ANS: SELECT \*

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE MAIL\_ID IS NULL AND ALT\_PH\_NO IS NULL);

1. WAQTD NAME AND PRICE ALONG WITH QUANTITY OF PRODUCT ,IF THE PRODUCTS BELONGS TO ‘ANAND’.

ANS: SELECT PNAME,PRICE,QUANTITY

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CNAME=’ANAND’);

1. WAQTD NAME AND ADDRESS OF THE CUSTOMER ,IF PRODUCT QUANTITY IS MORE THAN 10.

ANS: SELECT CNAME,ADDRESS

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE QUANTITY>10);

1. WAQTD NAME,PH\_NO,MAIL\_ID OF THE CUSTOMERS ,IF THEY HAVE 2 YEARS OF PRODUCT WARRANTY.

ANS: SELECT CNAME,PH\_NO,MAIL\_ID

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE WARRANTY=’2YEARS’);

1. WAQTD NAME,DISCOUNT AND ACTUAL\_PRICE OF THE PRODUCT ,IF THE PRODUCT IS BELONGS TO A CUSTOMER WHO IS FROM ‘5TH CROSS,JAYANAGAR’.

ANS: SELECT PNAME,DISCOUNT,ACTUAL\_PRICE

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE ADDRESS = ‘5TH CROSS,JAYANAGAR’);

1. WAQTD DETAILS OF THE PRODUCTS , IF THE PRODUCT IS BELONGS TO THE CUSTOMER ,WHO HAVE CHAR ‘S’ IN NAME.

ANS: SELECT \*

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CNAME LIKE ‘%S%’);

1. WAQTD NAME,QUANTITY,CATEGORY AND WARRANTY OF PRODUCT,IF THE PRODUCT IS BELONGS TO CUSOMER,WHO HAVE ALTERNATE PH\_NO.

ANS: SELECT PNAME,QUANTITY,CATEGORY,WARRANTY

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE ALT\_PH\_NO IS NOT NULL);

1. WAQTD DETAILS OF THE CUSTOMERS ,IF THEY HAVE PRODUCT WHICH IS OF MORE THAN 25% DISCOUNT.

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE DISCOUNT >’25%’);

1. WAQTD NAME,ADDRESS,PH\_NO OF THE CUSTOMER , IF THEY HAVE LESS THAN 5 YEARS OF WARRANTY.

ANS: SELECT CNAME,ADDRESS,PH\_NO

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE WARRANTY < ‘5YEARS’);

1. WAQTD NAME AND CATEGORY OF THE PRODUCT , WHOSE PRICE IS MORE THAN 30000 AND BELONGS TO TO CUSTOMER WHO DON’T HAVE MAIL\_ID.

ANS: SELECT PNAME,CATEGORY

FROM PRODUCT

WHERE PRICE>30000 AND PID IN (SELECT PID

FROM CUSTOMER

WHERE MAIL\_ID IS NULL);

1. WAQTD NAMES OF THE PRODUCTS ,IF THE CUSTOMER\_ID IS MORE THAN ‘CLEMENT’.

ANS: SELECT PNAME

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CID > (SELECT CID

FROM CUSTOMER

WHERE CNAME = ‘CLEMENT’));

1. WAQTD NAMES,PH\_NO AND ALT\_PH\_NO , IF THEY HAVE ALT\_PH\_NO BUT THEY SHOULD NOT HAVE EMAIL\_ID AND ACTUAL\_PRICE IS LESS THAN ‘ASUS-VIVOBOOK’.

ANS: SELECT CNAME,PH\_NO,ALT\_PH\_NO

FROM CUSTOMER

WHERE ALT\_PH\_NO IS NOT NULL AND MAIL\_ID IS NULL AND

PID IN (SELECT PID

FROM PRODUCT

WHERE ACTUAL\_PRICE <(SELECT ACTUAL\_PRICE

FROM PRODUCT

WHERE PNAME=’ASUS-VIVOBOOK’));

1. WAQTD DETAILS OF THE CUSTOMER, IF THEY HAVE LAPTOP AND WARRANTY OF MORE THAN 1 YEAR.

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE CATEGORY=’LAPTOP’ AND WARRANTY >’1YEAR’);

1. WAQTD NAME ,MAIL\_ID,ALT\_PH\_NO AND ADDRESS ,IF THEIR PRODUCT PRICE IS MORE THAN 25000 BUT LESS THAN 80000 IN MOBILES CATEGORY.

ANS: SELECT CNAME,MAIL\_ID,ALT\_PH\_NO,ADDRESS

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PRICE BETWEEN 25001 AND 79999 AND

CATEGORY =’MOBILES’);

1. WAQTD NAME AND WARRANTY OF PRODUCTS, IF THE PRODUCT QUANTITY IS MORE THAN 10 AND DISCOUNT IS MORE THAN 25% AND ‘

PRODUCT SHOULD BELONGS TO ‘ABHISHEK’ AND ‘BALU’.

ANS: SELECT PNAME,WARRANTY

FROM PRODUCT

WHERE QUANTITY>10 AND DISCOUNT > ‘25%’ AND

PID IN (SELECT PID

FROM CUSTOMER

WHERE CNAME IN (‘ABHISHEK’,’BALU’));

1. WAQTD DETAILS OF THE PRODUCT ,IF THE PRODUCT ACTUAL\_PRICE IS SAME AS THE CUSTOMER ‘CLEMENT’ AND ‘DINESH’.

ANS: SELECT \*

FROM PRODUCT

WHERE ACTUAL\_PRICE IN (SELECT ACTUAL\_PRICE

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE CNAME IN (‘CLEMENT’,’DINESH’);

1. WAQTD NAMES,ACTUAL\_PRICE AND WARRANTY,IF THE PRODUCT IS BELONGS THE CUSTOMER ADDRESS ENDS WITH ‘BTM’ AND WARRANTY IS LESS THAN 3 YEARS.

ANS: SELECT PNAME,PRICE,WARRANTY

FROM PRODUCT

WHERE WARRANTY<’3YEARS’ AND PID IN (SELECT PID

FROM CUSTOMER

WHERE ADDRESS LIKE ‘%BTM’);

1. WAQTD NAMES OF PRODUCT ,IF PRODUCT BELONGS TO THE CUSTOMER WHO STAYS IN ‘2ND CROSS,BTM’ AND SHOULD HAVE PRODUCT\_ID LESS THAN ‘DINESH’.

ANS: SELECT PNAME

FROM PRODUCT

WHERE PID IN ( SELECT PID

FROM CUSTOMER

WHERE ADDRESS = ‘2ND CROSS,BTM’)AND

PID<(SELECT PID

FROM CUSTOMER

WHERE PNAME=’DINESH’);

1. WAQTD NAME,ADDRESS,PH\_NO OF THE CUSTOMER,IF THE PRODUCT PRICE IS MORE THAN ‘ASUS-VIVOBOOK’.

ANS: SELECT CNAME,ADDRESS,PH\_NO

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PRICE >(SELECT PRICE

FROM PRODUCT

WHERE PNAME=’ASUS-VIVOBOOK’));

1. WAQTD MAIL\_ID AND ALT\_PH\_NO OF THE CUSTOMER,IF THE PRODUCT PRICE IS LESS THAN ‘HP-CELERON’.

ANS: SELECT MAIL\_ID,ALT\_PH\_NO

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PRICE <(SELECT PRICE

FROM PRODUCT

WHERE PNAME=’HP-CELERON’));

1. WAQTD DETAILS OF THE CUSTOMERS ,IF THEIR PRODUCT WARRANTY IS

SAME AS THE PRODUCT\_ID 4 AND DISCOUNT IS SAME AS ‘IPHONE13’

ANS: SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE WARRANTY IN (SELECT WARRANTY

FROM PRODUCT

WHERE PID=4) AND

DISCOUNT IN (SELECT DISCOUNT

FROM PRODUCT

WHERE PNAME=’IPHONE’));

1. WAQTD NAME ,PRICE AND QUANTITY OF THE PRODUCT IF THEY HAVE SAME QUANTITY OF PRODUCTS IF THE PERSON STAYS IN

‘1ST CROSS,BTR’.

ANS: SELECT PNAME,PRICE,QUANTITY

FROM PRODUCT

WHERE QUANTITY IN (SELECT QUANTITY

FROM PRODUCT

WHERE PID IN (SELECT PID

FROM CUSTOMER

WHERE ADDRESS =’1ST CROSS,BTR’));

1. WAQTD NAME,PH\_NO AND ADDRESS OF THE CUSTOMERS ,IF THEIR PRODUCT PRICE IS SAME AS ‘SAMSUNG-F235G’ AND DISCOUNT IS SAME AS PID\_NO ‘2’ AND WARRANTY IS MORE THAN 2 YEARS.

ANS: SELECT CNAME,PH\_NO,ADDRESS

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE PRICE IN (SELECT PRICE

FROM PRODUCT

WHERE PNAME =’SAMSUNG-F235G’) AND

DISCOUNT IN (SELECT DISCOUNT

FROM PRODUCT

WHERE PID=2 AND WARRANTY>2));

1. WAQTD NAME,QUANTITY AND CATEGORY OF THE CUSTOMERS ,IF THEIR PRODUCT DISCOUNT IS MORE THAN ‘35%’ AND PRICE IS SAME AS ‘ASUS-VIVOBOOK’ AND WARRANTY IS SAME AS PRODUCT LAPTOP.

ANS: SELECT CNAME,QUANTITY,CATEGORY

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE DISCOUNT =’30%’ AND

PRICE IN (SELECT PRICE

FROM PRODUCT

WHERE PNAME=’ASUS-VIVOBOOK’) AND

WARRANTY IN (SELECT WARRANTY

FROM PRODUCT

WHERE CATEGORY =’LAPTOP’));

1. WAQTD DETAILS OF THE CUSTOMERS ,IF THEIR CATEGORY IS SAME AS ‘SAMSUNG-F235G’ AND ACTUAL\_PRICE IS SAME AS PID\_NO ‘2’ AND WARRANTY IS LESS THAN 5YEARS AND PRODUCT NAME SHOULD CONTAIN CHAR ‘A’,’S’ IN IT.

ANS : SELECT \*

FROM CUSTOMER

WHERE PID IN (SELECT PID

FROM PRODUCT

WHERE CATEGORY IN (SELECT CATEGORY

FROM PRODUCT

WHERE PNAME=’SAMSUNG-F235G’) AND

ACTUAL\_PRICE IN (SELECT ACTUAL\_PRICE

FROM PRODUCT

WHERE PID=2) AND WARRANTY< ‘5YEARS’ AND

PNAME LIKE ‘%A%’ OR PNAME LIKE ‘%S%’);