

Exercise

1. Create view called *SALES_MOBILE* that captures below columns and where product category is equal to Mobile.
 - SALES_DATE (Source: SALES table)
 - ORDER_ID (Source: SALES table)
 - QUANTITY (Source: SALES table)
 - UNIT_PRICE (Source: SALES table)
 - TOTAL_AMOUNT (Source: SALES table)
 - PRODUCT_NAME (Source: PRODUCT table)
 - PRODUCT_CATEGORY (Source: PRODUCT table)
2. Add a new column PRODUCT_ID to the *SALES_MOBILE* view.
3. Go ahead and delete the *SALES_MOBILE* view.

Copy and paste the below SQL's in SQL Developer and run them, You will get errors and try to correct those errors.

1. `CREATE VIEW SALES_VIEW`
`SELECT * FROM SALES`

Answers:

1. CREATE VIEW SALES_MOBILE AS
SELECT S.SALES_DATE, S.ORDER_ID, S.QUANTITY, S.UNIT_PRICE,
S.TOTAL_AMOUNT, P.PRODUCT_NAME, P.PRODUCT_CATEGORY
FROM SALES S, PRODUCT P
WHERE S.PRODUCT_ID = P.PRODUCT_ID
AND PRODUCT_CATEGORY = 'Mobile';
2. CREATE OR REPLACE VIEW SALES_MOBILE AS
SELECT S.SALES_DATE, S.ORDER_ID, S.QUANTITY, S.UNIT_PRICE,
S.TOTAL_AMOUNT, P.PRODUCT_NAME, P.PRODUCT_CATEGORY,
S.PRODUCT_ID
FROM SALES S, PRODUCT P
WHERE S.PRODUCT_ID = P.PRODUCT_ID
AND PRODUCT_CATEGORY = 'Mobile';
3. DROP view SALES_MOBILE;

Answers for errors:

- 1) You will get an error “ORA-00905: missing keyword” when you run below SQL statement.

```
CREATE VIEW SALES_VIEW  
SELECT * FROM SALES
```

It is throwing an error because we missed the keyword AS after the view name SALES_VIEW (This error might be stupid, but these are the common mistakes we make.)

```
CREATE VIEW SALES_VIEW AS  
SELECT * FROM SALES
```