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CREATE DATABASE DS63;
USE DS63;

# RETRIEVAL
# SELECT
# WHERE
# AGGREGATION

# ALL SMARTPHONES

#====QUESTIONS ASSIGNMENT=====
#--1. Display all details of all smartphones available in the table.
SELECT * FROM SMARTPHONES;
#--2. Display only the brand name,model,and price of all smartphones.
SELECT BRAND_NAME , MODEL,PRICE FROM SMARTPHONES;
#--3. Display the distinct and count list of smartphones brands
available in the table.
SELECT DISTINCT(BRAND_NAME) FROM SMARTPHONES;
SELECT COUNT(DISTINCT BRAND_NAME) FROM SMARTPHONES;
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-- SELECT WITH WHERE QUESTIONS----

# WHERE CLAUSE
-- 1. Display all smartphones that have 5G support.alter
select * FROM SMARTPHONES WHERE HAS_5G = 'True';
-- 2. Display the brand name,model and price of smartphones whose price
is greater than 30k
SELECT BRAND_NAME,MODEL,PRICE FROM SMARTPHONES WHERE PRICE>30000;
-- 3. Display all smartphones that belong to the brand Samsung.
SELECT BRAND_NAME,MODEL,PRICE FROM SMARTPHONES WHERE BRAND_NAME =
'Samsung';
-- 4. Display the brand name , model and rating of smartphones whose
rating is greater that 40(out of 100).
SELECT BRAND_NAME,MODEL,rating FROM SMARTPHONES WHERE RATING>=40;
-- 5. Display all smartphones that have NFC Support and battery
capacity greater that 4500.
SELECT * FROM SMARTPHONES WHERE HAS_NFC = 'True' and
battery_capacity>4500;
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-- SELECT WITH AND / OR / IN QUESTIONS
-- - -----

-- 1. Display all smart phones that have 5G support and NFC support.
SELECT * FROM SMARTPHONES WHERE HAS_5G = 'True' AND HAS_NFC = 'True';

-- 2. Display the brand name , model , and price of smartphones that
belong to the brand apple and samsung.
SELECT BRAND_NAME,MODEL ,PRICE FROM SMARTPHONES WHERE
BRAND_NAME='Apple' or BRAND_NAME = 'Samsung';
-- 3. Display all smartphones that have a rating greater than 40 and
price less than 50k.
SELECT * FROM SMARTPHONES WHERE RATING>40 AND PRICE<50000;

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-- SELECT WITH BETWEEN QUESTIONS

-- 1. Display all smartphones whose price is between 20k to 40k.

SELECT * FROM SMARTPHONES WHERE PRICE BETWEEN 20000 AND 40000;

-- 2. Display brand name, model, rating of smartphones whose rating is between 35 and 45.(out of 100)

SELECT BRAND_NAME,MODEL,RATING FROM SMARTPHONES

WHERE RATING BETWEEN 35 AND 45; # THERE IS NO PHONE AVAILABLE RATING HAVE 35 TO 45

-- 3. Display brand name, model, rating of smartphones whose rating is between 50 and 70.

SELECT BRAND_NAME,MODEL,RATING FROM SMARTPHONES

WHERE RATING BETWEEN 50 AND 70;