11/05/2025 Sunday

DBMS - Assignment #3

Group Membey:

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Case Study 2: FREE ACCESS To Current TECHNOLOGY: (FACT)

Q 58)

```
SELECT Check_Num, Check_OUT_Date,
  Check_Due_Date,

FROM FACTS
ORDER BY CHECK_NUM;
```

Q 61)

```
SELECT DISTINCT BOOK_SUBJECT
FROM FACTS
ORDER BY Book_Subject;
```

Q 63)

```
SELECT check_Num, BOOK_Num, PAT_ID,
Check_Out_Date, DUE_Date
FROM FACTS

ORDER BY CHECK_OUT_DATE DESC,
  check_Num ASC;
```

Q64)

```
SELECT Book_Title, Book_Subject,
Book_Year
FROM FACTS
ORDER BY Book_Subject, Book_Year
DESC, Book_Title;
```

Q65)

```
SELECT Book_Num, Book_Title, Book_Cost
FROM FACTS
Where Book_Cost = 59.95
ORDER BY Book_Num;
```

Q69)

```
SELECT Book_Num, Book_Title, Book_
Subject, Book_Cost
FROM FACTS

WHERE (Book_Subject = "Middleware" OR
       Book_Subject = "Cloud"),
      Book_Cost > 70
ORDER By Book_Num;
```

Q71)
```
SELECT  Book_Num, Book_Title, Book_Subject
WHERE   LOWER(Book_Title)
LIKE "%database%"
ORDER By  Book_Num;
```

Q77)
```
SELECT  COUNT(Distinct Book_Subject)
    AS "Subject_Count"
FROM  FACTS;
```

Q81)
```
SELECT  MAX( Book_COST) As "Max_Cost"
 FROM FACTS;
```

Q98)
```
SELECT  B.Book_Num, B.Book_TITLE,
   Count(C.Check_out_Num)
   AS "check_out_Count"
FROM Book B

LEFT  JOIN   Checkouts C
ON   B.Book_Num  =  C.Book_Num
 GROUP BY  B.Book_Num, B.Book_Title
 ORDER  BY   CHECKOUT_COUNT DESC,
    B.Book_Title;
```

CASE STUDY 1 : LARGE Co Database

Q No 27

```
Select count (*) As total_Customer
From customer
        where customer_balance > 500
```

Q No 28

```
Select  Line. Cus-Code,
Line . Inv_Number,
Invoice . Inv_Date,
Product . D-Descript .
Line . Line_Units
Line . Line_Price -
```

```
From
    Line JoB Invoice ON Line.invoice_Number=
                Invoice.Inv_Number

    Join Product On Line.P_Code
Order By
            Line.Cus_Code, Line.Inv_Number,
            Line.Line_Number
```

Q No 31:

```
select  C.Cus_Code, C.Cus_Balance,
        Sum(L.Line_Price * L.Line_Units) As
        total_Purchases, Count(L.Line_Number)
        As  number_of_Purchases
From
        Customer C
        Left Join Invoice I ON
        C.Cus_Code = I.Cus_Code
        Left Join Line L on I.Inv_Number =
                        L.Inv_Number
Group By
            C.Cus_Code, C.Cus_Balance
Order By
            C.Cus_Code
```

QNO 33

```
        Select Inv_Number
    Jum(Line_QTY * Line_Price) As
    Invoice_Total From Invoice I
    Join Line I on _Inv_Number =
                    I.Inv_Numbe
Group By  Inv_Number.
```

Q No 34 :

```
Select C.Cus_Code, I.Invoice_Numbe
Cum(I.Invoice_Number * I.Inv_Price) As
  Invoice_Total
From Customer C
Join Invoice On C.Cus_Code = I.cus_Code
Join Line ON Inv_Number = I.Inv_Number
Group By
        C.Cus_Code, I_Inv_Number.
```

Q No 36 :-

```
Select
        CUS_Code, Cus_Balance
From
        Customer
Where
        Cus_Code
Not In (select Cus_Code From Invoi
```

Q No 37 :-

```
Select C.Cus_Code, C.CusBalance
From
    Customer C Join Invoice ON
    C.Cus_Code = I.Cus_Code
```

Q No 45 :-

```
Select Prod_SKU, Pro_Descript
Prod-Type, Prod-Base, Prod Category
Prod_Base Price,
From Product where Product_base='water'
AND Prod_Category = 'Sealer'
```

Q No 47:

```
SELECT   EMP_FNAME , Emp_LName, Emp_Phone
         Emp_Title , Dept_Num
From     Employee e
Join     department d
    e. Dept_Num = d. dept_Num
where    d. dept_Num = 300
 OR      e. Emp_Title = 'Clerk'
```

Q No 50

```
Select   e. Emp_Num , e. Emp_L Name , e. Emp_FName
         e. Emp_Email , e. Emp_Title, d. dept_name
From     Employee E
Join     Department D
  ON     E. Dept_Num = d. Dept_Num
Where    E. Emp_Title Like = '% Associate'
 Order By  d. Dept_NAme, e. emp_name
```

Q No 53

```
Select
        Prod_Base , Prod_Type
Count(*)  As  NumProduets
From    Product
    Group By  Prod_Base, Prod_Type.
```