Some difficult Microsoft SQL Query is given below for the use of SQL database users in Accounts Personnel.

Here a table structure is shown which is having the columns start_no and end_no with a varchar datatype.. .

Entry_no varchar(10)
Br_no varchar(5)
denom_no varchar(1)
start_no varchar(10)
end_no varchar(10)
amount numeric(8,0)
interest numeric(8,0)
trnmonth datetime
dateofdis datetime

The records in the above tables are as below.

entry_no	br_no	denom_no	start_no	end_no	amount	interest	trnmonth	dateofdis
11010010221	BR001	1	12AA123451	12AA123460	100	67	01/01/2010	01/01/2010
11010010221	BR001	1	12AA123461	12AA123465	100	67	01/01/2010	02/01/2010
11010010221	BR001	2	12BB234511	12BB234516	500	335	01/01/2010	02/01/2010
11010010221	BR001	2	12BB234517	12BB234520	500	335	01/01/2010	03/01/2010
11010010221	BR001	3	12CC345101	12CC345110	1000	670	01/01/2010	04/01/2010
11010010221	BR001	3	12CC345111	12CC345125	1000	670	01/01/2010	05/01/2010
11010010221	BR002	1	12AA123466	12AA123468	100	67	01/01/2010	06/01/2010
11010010221	BR002	1	12AA123469	12AA123470	100	67	01/01/2010	06/01/2010
11010010221	BR002	1	12AA123471	12AA123480	100	67	01/01/2010	05/01/2010
11010010221	BR002	2	12BB234521	12BB234530	100	67	01/01/2010	04/01/2010

To calculate the total no from the two columns start_no and end_no, first , convert the character type to numeric type, then only we can substract start_no from end_no and get the total nos. To get the total number, amount and interest on that by denomination wise. The following query may be used.

Syntax:

Select br_no,sum(cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1),sum((cast(right(end_no,6) as Numeric(6))
*-cast(right(start_no,6) as Numeric(6)) +1)*amount),sum((cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1)*interest)*
from discharge_items where br_no='BR001' and trnmonth ='2010/01/01' group by br_no order by br_no "

OUTPUT:

100 15 1500 1005
500 10 5000 3350
1000 15 15000 10050

Now, along with the above the total no , total amount and total interest paid will be displayed by the following query by using COMPUTE

Select br_no,sum(cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1),sum((cast(right(end_no,6) as Numeric(6))
*-cast(right(start_no,6) as Numeric(6)) +1)*amount),sum((cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1)*interest)*
from discharge_items where br_no='BR001' and trnmonth ='2010/01/01' group by br_no order by br_no
compute sum(sum(cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1)),sum(sum((cast(right(end_no,6) as Numeric(6))
*-cast(right(start_no,6) as Numeric(6)) +1)*amount)),sum(sum((cast(right(end_no,6) as Numeric(6))-cast(right(start_no,6) as Numeric(6)) +1)*interest))*

OUTPUT:

100 15 1500 1005
500 10 5000 3350
1000 15 15000 10050

40 21500 14405

The same query may be used in PATRAM this may be in next session.

By. O. Madhavraj
Accounts officer