

Interoduction to SOL SOL is domain specific used in design and management of data held in RABMS. can défine soucture à a BB modify data in DB Specify security constraints Based on relational Algebra and tuple relation calculus - 1BM developed original version of sol called SEQUEL W 1970 Part of sol 1 - Data répuition language 2. Data Manipulation Language 3. Franktion Transaction control Language LANGUE TO THE EVALUATION OF THE For data reterival in SQL, if and OP both are relations. i No of relation Ip to querry will be at least one but off will always be a single relation without any name unless specified.) Basic structure of sol query consist of

> · Select · from · where

three clauses.

The should be noted that select and from!

are mandatory and if not required then

not recessary to write "where".

J SOL in general is not case sensitive.

J SOL allows duplication in a ip relation
as well as in the result of sol expansions.

in result of the group out of all columns in I/P relation

order in which column are represented in the select clause will be same in which column will appear in the

if all columns one required then & can be used.

- may also contains anithmetic expressions involving operators like +,-,/, * etc. - chowever it does not change to the database, database,

Select * marks +5

PAGENO, : DATE: / on find all the details of Bank Branches? Select * from branch Select broanch-rame, broanch city, ands from branch. Oy_ find the name of all customers -braving Bank Mc Select Grow Select distinct P) cust-name from bepositor Select Cust-name from Depositor find each loan no along with amount? select from () Select Loan NO, amount Gom Loan

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Qu find all A/C NO and balance with 6% yearly interest?

Select ACNO, balance & 1.06

Select with where

- intere clause in sal is used to specify?

condition/freedicates

companison operator < <=, >, >=, = ete.

Sol allows use of logical connectives, and.

or, not ete.

allows between comparison operator to

ou all A/C No whole balance is less than

select A/c NO

where balance < 1000

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find branch name which is strated in delly and having assets < 100000 select branch name Gom Branch anets < 100000 where and b-city = Delling select branchiname from Branch where branch-city = Delui and arrets < 100000 Mote and , follows commutations law. find b-name and Alc No where balance 15 >= 100 and <=1000, Select B-name - A/C NO fram Account palance >100 where and balance <= 1000 Select Brame, A/C NO from Account where balance between 100 and 1000

NOTED between support boundary values.