Name- Deepti. P. Ranjilkas Rollino: 19BCS037

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It's True

A OBMS is typically shared among many users

Transactions from these users can be interleaved

to improve the execution time of users queries

By intrleaving queries, users do not have to

wait for other user's transactions to complete

fully before their own transaction begins.

without interleaving If user A begins a

transaction that will take 10 seconds to complete

and user 6 wants to begin a transaction, user

B would have to wait an additional 10 seconds

for user I's transaction to complete before the

data base would begin processing user B's

request. So This was the justication from

OBMS interious the actions of different transaction

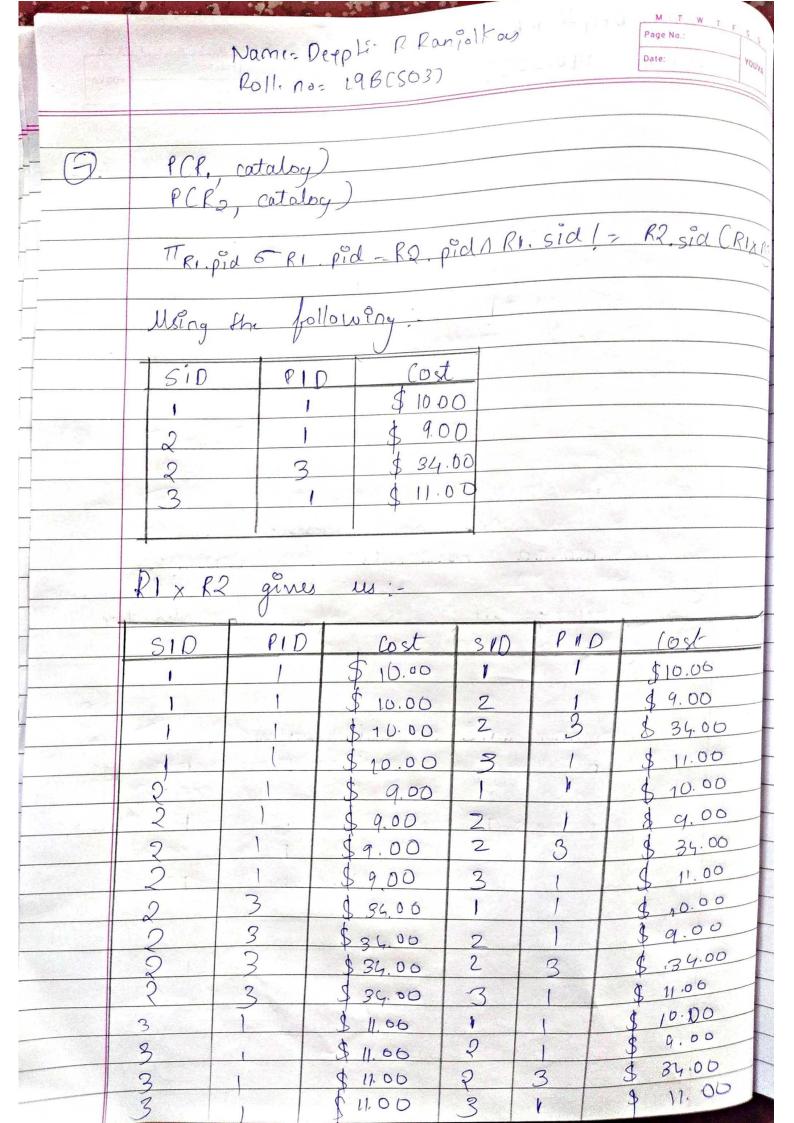
instead of executing transaction one of the the

Other.

A user must quarante that his or her transaction does not corrupt data or insert nonsense in the data base for Examply in a banking data base, a user must quarante that a cast with draw transaction accurately models the amount a person removes from his/her account. A data base application would be worthless of a person genoved 2015 from a ATM but the transaction set their balance is 01

A DBMS must guarantee that transaction are repetuted fully and independently of other

Name: Deepte. P. Ranjolkan YOUVA Rollino= 19BCS037 Isansactions. An evential property of a DBMS
is that a transaction should execute
automatically, or as if it if the only gunning & lso transaction either complete fully, or will be aborted and the database returned State. This ensure that the data base grenains consistent can allemine with the help of instance



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Ori pid= l2 pid 1 RN. sial = R2 sid gives es

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Name = Deepti, R Ranjolkan Rollina 19BCS037 SQL:--04 Cisid Calalog C EXISTS CSELECT CI.Sia FROM Calaby CI WHERE CI. pid = C. pid AND C1. Sid + Cisia Inavalid quescy This relational algebra statement does
not return anything because of the
Sequence of projection operators. Once
the sid is projected, it is the only
field in the cit. projecting on
same will not return anything. the following view on Emp can be updated outeralically by updating Emp. CREATE VIEW SeniorEmp (eid, name, age, salary) AS SELECT Freid, Frenance, trage Fraday FROM Empt WHERE E. age >50