DBMS-5 Friday, 31 July 2020 8:53 PM Transaction & ACID propertie Fransactions - A transaction is the execution of a sequence of one or more operations (eg sal queues) on a database to perform some hyle One of low from Aditya's to saparis ace.

Check if Aditya has \$100 = 2

Deduct \$100 from adelya's acc.

Add \$100 to saparis acc. One complete pranocetia De why do me care???? formal defention -> A sequence of read and winter operations (R(A), W(R), -----) are considered as transaction. 6 (Begin) (Cerust) 2 transaction > # States of a Parkally Active # ACID > correctness criteria for a DBMS. - A: Abonicity -> C: (onsuleney metholosi: 1 c > D: Durability * Atomicily It says that for enecuting a 1x1 there will be only & possible dutamen cuel be only & possible (5) (Commut ofter completing all actions
(5) (2) Abort ofter executy some action Mechanism genully DBMs uses for atomicity.

Loggery — 109 all actions) -> mentry R d:st Shadow Paging -> makes copies. # (consisting > The "world" represented by the db should be logually correct. Jest alabase consistery

The standard consistery # (SOCATION) A -> Guhan -> \$10007 = 200 B -> Priyanka -> \$1000] Tr > Credit to the are well 600 interest Begin A= A= 1.06 A= A-100 B=B+100 B=B*1.66 COMMIT Commit 71 Begu A= A+ 1.06 A=A-100 OR B=391.06 B=B+lvo (ant Comet Begin B gun A=A*1.06 かったしゃ B=B91.06 B 2B+ 100 Court Caul A = 960 A = 984 B = 1166 3 = 1160 2120 72 Beger P = A -100 B=B+100 Conut B = B * 1.06 Couch てっ Begin A=A>1.06 B= B\$ 1.06 Com B=B+100 (count (R-R) X (R-W) scorphily experally w-w) # Durability > All of the changes of committed transaction should be persected Desyn OB of Quora -> uscro -> email, rou, authorit -> a user can post questions (title desc)
-> a vieur can vaneurs any questiers (desc) -> 9 un car drop commets on any assert or Hy user (on follow any user -> frui la be 10 pies 10 volur quelle belags - Auser com follow bopics -> Aure can like a quelle / anserve/ court -> nonfications 9 v estia anun UZU a -id 9-14 U ald Contret encryptu 1925 9 wid updet-at & creele -at & avatar-luh up doll as (comment to/ic (-id 4-ic Conterd updaler - at naum follow du crede-at questre - ropic frid Connectable - type male - L (-atiu-at h_id Grid Conneilable -id followable-tyle Lehes U - id follomable -id user id c-at , u-ot lighteable offer

likeable id