Tanmay yarg CS20BTECH11063

\	
	DBMS - Arranl
1.	show names of all tailors who have operated (used tree
,:	colour boats
	TIsname (TTAIS ((This order- red Boats) & Reserves) & Soutars)
	select name where color = 'red'
	La company of the com
:,:	a take setest bid's of hoats where rolar = 'red'
(E)	
	Thrane (Tria (@ ~ Reserves) & sailers)
	J. Comment of the com
	join hoth tables where common attributes is
	li list '
±.	(b) table with attributes - lind, sid, day
	SUDJECTE SOUND TOUCH SOUND BY AN LAND A PERSON
	TI sname (Trid (D) & Sailary)
	take sid from (b) and join with sailars where sommen attribute is sid
	common attribute is sid
	(E)- new table with attributes sid, trans, rating, age
	rome of all sailors from this table (C)
2.	show names of all sailors who have operated / used either red or green rolows boats
	red or green colour boats
	Il Templicati, (o wher= 'red' v whor= 'green' Boats)
	select hows where rolon= 'red' on 'green' then bename that table of hows as Temblisati
	then bename that table of hours as Temblisate

	Tisname (Templisati & Reserves & failers)
	a join both tables where common attribute is lid, so it contains bid, browne, be color, sid, day
	lied, so it contains hid, hname, be color, sid day
	t color has values as 'red' as green
	O .
	TTErune (a N tartely)
	join both tables where common
	attribute is sid to give final
	table with hid, browne, rolor, sid, day,
	sname, hating, age
	TIsname (b)
~ N.	name of all sailors from table (b)
35	in tank with whichall in the stop
3.	thou names of all failers that have operated listly
	thow names of all failors that have operated both red and green who boats
A	of (Temp 1, This ((o war= 1 red. Boats) & Reserves)
	a select raws where
-71.	rolow = 'red'
	2 18 8 78 C
	- Internate who have a subject to the contract of
	I (Tenfl, Trid (@ X Resolves)
	join tables where common
÷	attribute is 'set' lid
	10 final table has hid, brance, whore,
	sid, day
	a side of all wilder leson their tales
	e name it as Temp!

f(Terrh 2, Thid (6 tolor='green' Boats) & Deserves)

€ select hours where volor='green' Jl Temp2, Mid (@ 00 Reserves)

join tables where common attribute is hid, so final table how hid, where how hid, and have here how hid, side of all sailory from this table & name it as Temp 2 TIsrame ((Temp 1) Temp2) a failable) Otake intersection of both tables which gives us side of all tailors who have operated red & green limits

There (C > Soulow) join hoth tables where common attribute is sid, to give us table of sid, sname, trating, age name of all sailary from they table snow names of all soulars that have oferated more than 4. 1 different boat. f(Deserves, IT sid, mano, hid (Sailory M Reserves) where common attribute is sid to give us table with sid, sname, trating, vge, hid , day f (Deserves, TI sul, some, lid () select hours what Take side, mand, linds from the table a & rename it as Reserves

I (Reservation Pairs (1-3 sid 1, 2-3 sname 1, 3-3 lid 1, 4-3 sid 2, 5-3 sname), 6 - s lid2). Reserverations x Reservations) take carterian product of both tables such that each tuple prom' first' peservation has a combination with each tuple from 'second' Reservations & bename for her first rolumn as sid!, second as pramel and so on. Pename entire table Reservation Pails. IT sname | o(sid= sid2) ~ (lid | + lid2) Reservation Pairs (b) select how where sid = sid 2 + high = hid 2 from Reservation Pairs, which gives us sid of all sailors which have operated more than I different hoat. IT forame (a) name of all tailars who satisfy aliene conditions 5. Show IDs of sailors with age greater than 20 except those who have oferated red hoats. Thiel (age 5 age > 20 faitory)

select hours where age > 20

take sids of all such hours @ This ((order= 'red' Roots) M Reservey as sailary)

Oselect hours where rolor = 'red'

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	DBMS - Arran 1
1	TTTO Deserves De tailery)
	Ojoin lists tables where common attribute
	is lied to give hid, brame, when, sid , day
	is luid, to give luid, brance, volur, sid, dery 2 volor = 1 red'
	This (E > faitable)
	join lights tables where common attribute
	is sid, to give bud, warre, color, sid,
	day, snane, trating, age
•	
-	Thou sid's from this table
:	
	(a) - (d)
	set difference ble @s@ which entire a encept those where @ n d in a
	maga maga
_	
1	