ADB Quiz 01

1 a. “We can use views to encapsulate complex queries”. Do you agree with this statement? Justify your answer.

b. “We can use views to improve the security of a database”. Do you agree with this statement? Justify your answer.

c. Consider the following Flight_root and the Flight tables and answer the questions given below. Note: Add more your own three records for each table

Flight_root

RID	**Flying_from**	**Transit**	**Destination**	**FID**	**Trip_Amount**
R1	CMB	SIN	NRT	F003	98,000.00
R2	CMB	AUH	JFK	F002	120,000.00
R3	CMB	AUH	LON	F001	200,000.00
R4	CMB	DXB	LAX	F004	150,000.00
R5	CMB	DOH	SYD	F005	180,000.00
R6	CMB	MCT	CDG	F006	210,000.00

Flight

FID	**Air_line**	**No_of_seats**
F001	Sri Lankan	165
F002	Air Asia	150
F003	Ethihad	140
F004	Emirates	180
F005	Qatar	175
F006	Oman Air	160

i. Write down SQL queries to generate the above tables.

ii. Write down SQL query to create the following view. Name of the view is Root_INFORMATION.

iii. Write down the SQL query to create the following view. Name of the view is INFO.

iv. Write down the SQL query to create the following view using INFO view in part

(iii).

v. All the airlines decided to increase the trip amount by Rs. 10000. Write the SQL command to create a view with columns; airline name, RID, old amount and new amount.

vi. Write down the SQL query to create the following view using Flight_root table.

vii. Write down the SQL query to delete the first record of the TINFO view.

Quiz 02

a Discuss the disadvantages of the stored procedures.

b "Use of stored procedures can reduce network traffic between clients and servers." Do you agree with this statement? Justify your answer.

c Consider the following relation:
<<your Name>>(ID, Name, Score)
Write a MySQL stored procedure to get the *name* and *score* of the first player and store those values in two variables.
Note: The relation name should be your last name

d Consider the following table *player* and answer the questions given below.
player

PID	Name	P_Type	ClubID	Total_score
P1	Bhanu	Batsman	C03	9500
P2	Danga	Bowlers	C02	1500
P3	Vicky	Keeper	C01	6000
P4	<<your name>>	Bowlers	C03	500

i Create a stored procedure which will count the total number of players playing for a club by providing the *ClubID* as a parameter.
ii Write MySQL stored procedures to find the players with lowest and highest marks.
iii Write a MySQL stored procedure to find the total number of scores of all the *Bowlers.*

Note: <<your name>> should be your last name
SQL queries and screen shots of outputs should be submitted

Quiz-03 11/07/2024

1. Briefly explain three (03) applications of Big Data.
2. Briefly explain the steps of the Map-Reduce program using an example.

ADB Quiz 04/06/2023 **1:00PM - 2:30PM**

1 a "We can use views to encapsulate complex queries". Do you agree with this statement? Justify your answer.

b "We can use views to improve the security of a database". Do you agree with this statement? Justify your answer.

c Consider the following *Flight_root* and the *Flight* tables and answer the questions given below.

Flight_root

RID	Flying_from	Transit	Destination	FID	Trip_Amount
R1	CMB	SIN	NRT	F003	98000.00
R2	CMB	AUH	JFK	F002	120000.00
R3	CMB	AUH	LON	F001	200000.00

Flight

FID	Air_line	No_of_seats
F001	Sri Lankan	165
F002	Air Asia	150
F003	Ethihad	140

Note: Add more your own three records for each table

i Write down SQL queries to generate the above tables.

ii Write down SQL query to create the following view. Name of the view is *Root_INFORMATION*.

RID	Root	FID
R1	CMB, SIN, NRT	F003
R2	CMB, AUH, JFK	F002
R3	CMB, AUH, LON	F001

iii Write down the SQL query to create the following view. Name of the view is *INFO*.

FID	Air_line	Trip_Amount	Destination
F001	Sri Lankan	200000.00	LON
F002	Air Asia	120000.00	JFK
F003	Ethihad	98000.00	NRT

iv Write down the SQL query to create the following view using *INFO* view in part (iii).

NEWINFO

FID	Air_line	Destination
F001	Sri Lankan	LON
F002	Air Asia	JFK
F003	Ethihad	NRT

v All the airlines decided to increase the trip amount by Rs. 10000. Write the SQL command to create a view with columns; airline name, RID, old amount and new amount.

vi Write down the SQL query to create the following view using *Flight_root* table. Name of the view is *TINFO*.

Transit	No_of_roots
SIN	1
AUH	2

vii Write down the SQL query to delete the first record of the *TINFO* view.