

09/04/22 Theory Assignment 2 Name-Tegas Khamkar Roll No-10 Class - SF-IT Subject - Database Management System Q. | Write short notes on A) Data Definition Language: · To create database schema and database objects like table, view, trigger we need to use Dota Definition Longuage (DDL) DDIE statements are used to build and modify the structure of your tables and other objects in the of idatabase - continues of the first and the continues and The set of DDL commands are as follows: 1. CREATE Statement: To create database objects. 2 ALTER Statement: To modify structure of database Lobjects: makes de la mila, le intermenta mo 3 DROP Statement: To remove database objects 4 RENAME Statement: To rename database objects: 5 TRONCATE Statement: To empty the database table · No rollback operation can be performed with. these set of commands is a series . Ex. Table, View, Sequence, etc. B). Data Manspulation Language · These Statements are used for manipulating or managing data in : database DML commands are not auto-committed like DDL

statements.



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	f = f + g + g + g + g + g + g + g + g + g +
•	It means changes done by DML commands can
	be rolled back. In other words the DML
	statements do not implicitly commit the current
	transaction.
1	INSERT Statement: To add some data to Database
	table we need to use this command.
2,	DELETE Statement: To add remove data from
	table we need to use this command?
3.	UPDATE Statement: To add changes data added to
	table we need to use this command.
g.2.	Explain Stored Procedure and Stored Function?
•	Stored procedures are just text objects and don't
	Store any data. They do provide access to data.
	They can return datasets, just like a view, but that
	where the similarity ends.
	A stored procedure is named PLISPL block that can
	take some parameters (referred as arguments) and be
	involved to produce some output.
•	Generally Speaking you use a procedure to
	perform a specific action
	Stored procedures offers modularity of code.
•	Procedures promote better reusability and maintainibility
	of code.
	One validated, they can be used any number of
	times without compiling again and again in order
	Tot san he wed 10 any number of and some to
. ,	Int can be used in any number of applications to make faster data access.
	make faster way access



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	Stored Function
	CATATE [C - 7
	CREATE [OR REPLACE] PROCEDURE procedure name
	mode a dataty pel Dorometer 2 [mode 2]
	Managez,
	15 (AS
	PLSPL BLOCK/
A	[BEGIN PL/SQL Statements: FND:]:
	we can create new procedures with help of the
	CREATE PROCEDURE Statement which may declare
	a list of parameters, and also must define the
	agois to be performed by the standard PLYSOL
	block.
G.3.	What is normalization? Explain INF, 2NF & 3NF?
	[NOFMOII 2 0HO]]
•	Normalization is a step by step decomposition of
L	complex records into simple records.
•	Normalization is a process of organizing date in
	garabase in more efficient form. It repulls
	in tables that satisfy some constraints and are
	represented in a simple manner
1 1	It is a process of designing a consistent
	database by minimizing redundancy and
	ensuring data integrity through decomposition
	which is lossless.



	First Normal Form (INF)				
	A relation is in INF, if every tow contains exactly				
	one value for each attribute.				
	INF states that all attributes in relation must				
1	have atomic values and all attribute in a tuple				
1	must have a single value from the domain of				
÷	that attribute.				
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Ţ	dependent on the primary key of the relation				
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	Third Normal Form:				
7 • 1	t relation in in 3NF, if it is in en Fland no				
	non-key attribute of the relation is transitively				
	dependent on the primary key.				
	3NF prohibits transitive dependencies.				
7	and the second of the second o				
-	Sr.No. Faculty Code Subject Hours				
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a	hours depend on the subject and subject depends on				
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	Hence there is transitive dependency.				
	The state of the state of				
-	Normalization 3NF				
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	Subject Hours				
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0.4	What is view ? Explain different beautiful	—_			
7	. A view is defined as a database object that				
	allows us to create a virtual table in the darabase				
	whose contents are defined by a query or				
	token from one or more table.	—.			
	View is defined to hide complexity of query				
	from user.				



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	Types of views.
1.	Simple view
	The view which were based on only one table
	called as Simple view.
	Allow to perform DML operations with some
	restrictions. 2 1 196707 d promotion in 19670.
•	Guerry defining simple view cannot have any
	join or grouping condition
2.	Complex view.
	The views which are based on more than one
. =	table called as Complex view.
	Do not allow DML operations to be performed.
•	Guerry defining complex view can have or
	group condition.
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