Experiment No 3

Aim :

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No. 5
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			To apply such as P
			Sal tommands Sal tommands Primary 1807, W
			management system.
	A CONTRACTOR OF THE PROPERTY O		Mot Not
SQI (commands:		Theory:	Aim: To
Exemple	UNTRUE KEY: COlumn CLAP Unique KEY: NOT NULL:	Constraints in on the data is integrity by a constraints invertible that uniquely dass nate all	a dutabase
HAHA SIBHA STILS STILS	e distinct Unlike the Primery Key (an allept NULL values Frances that a lolumn lannot	in SQL are used to enforce rules to in tables. They help muintain the a quantary of the data. The key involved are; KEY: A column for a set of whans key identifies cuch record in a table. It allow NML values & ensures uniqueness.	kty Munds
TWDENTS THT PRIMARY KEY, HAR (100) NOT NULL,	the Primery a folumn far	Ised to enforce rule They help muintain the the data. The key the data the key the data the blumns uch record in a table. alues & ensures uniques	involving Constmints Unique Key & Not
	in a key a d	intain the he key of volumns of volumns thes uniqueness.	riots

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	AGIE TINT;
	Student ID is a mineral key, meaning each
	Student must have a unique & not = null identi
	-Acr.
	Nume must have a value due to MOT HULL
	Constraint.
	Email must be unique for each student but can
	auept NULL values
	Age DOES NOT have any south constraints.
	meaning it ian store MULL values or duplicate
	values.
ii	Inserting duty into table:
	THISERT THTO Students (StudentID, Name, Emdil, Age)
	VALUES (1, Alice alice 1230 gmail. com, 20);
	At the total the time the time the time the time the time the
	INSERT THTO Students (StudentID; Humo, Email; Age)
	VALUES (2, Bob, bobo@gmil.com 20);
	I AND THE PROPERTY OF THE PROP
	THSERT INTO Students (StudentID, Name Emil Age)
	VALUES (3 'charlie', MULL 21);
	The 3rd record with student ID = 3 was inserted
Marian San San San	successfully even tough the Email Fill is NUIL

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I Ix	ying to insert of MULL value in the Hame
	lumn will cause an error due to the NOT
Notes in the	VIL constraint
	the many of the late of the la
;;; \ A	Henry Lian Constraint Waletines
3117-13	Hempting Constraint Violations:
	- Vistalia Domanda Mal Control Diolicate
	-Violating PRTMARY KEY Constraint Duplicate
	StudentID
	USERT INTO Students Studente ID Nume Email,
	vAlues (1 David davidbom@gmail.com, 23);
7	VALUES (I David davidbom 9 gmail. com., 23);
_	Violating UNTRE constraint (Duplicate Email)
T	HSERT INTO Students Student ID Name Email
-	VALVES (4, Eve' = alicenzagamail-com, 24);
- University of the Control of the C	
	- Violating MOT NULL Constraint
1	NSFRT INTO Students (StudentID Hume Fmail
	Age)
	VALUES (5, NULL EVERD gmail.com, 25)
	THE TOTAL THE TO
17	The first guess failed his to dualicate students
	TATION TO GOVERN
	the second query fulled due to an duplicate mail.
	The Third querry failed due to a NULL value in
	the Name column.
	NT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108

	arring.	Marie Kale					1							N. et a	
						N. S.				***				Conclusion	
	**			No.	S CONTRACTOR					The said		con straint	Pray andung	Conclusion: By welling these)
The Land	The factor		List of		The state of						一年十	constraints provent invalid duta entry &	The ex	By excluting these	
This gard	the house	100	J. THILL		The state of			L. H.L.	THE !	211	1	invalid DB	The expressionant demonstrated		
	THE STATE OF THE S				EF					E		data	demonstrated	Such as primary ky,	Ti.
												DB tables effectively	surce duty	such as primary ky,	
		Sept. 1	7047								and the second		- 3	A A	
						10				10				-	1

CREATE DATABASE RUSHI;

CREATE TABLE Daulatkar (
1d INT PRIMARY KEY AUTO_INCREMENT,
first_name VARCHAR(\$0) NOT NULL.
last_name VARCHAR(\$0),
age INT,
email VARCHAR(100) UNIQUE

INSERT INTO Daulatkar (first_name, last_name, age, email)

SELECT * FROM Daulatkar;

	Company of the Compan
Conclusioni	By executing these SQL commands, we success
Concressions	fully applied constraints sub as PRIMARY KEY.
	UNTIQUE KEY & NOT NULL to ensure data
- 20	integrity The experiment demonstrated how the
	constraints provide prevent invalid data entry &
	enforce rules on dutubase tables effectively
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	(A+) Rublut 25/3/2025
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