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PROBLEM STATEMEN	Implimentation of Traign	10110 00	d fuggers	- 501 10	1.109 110. 100			
ALGORITHM & CODE	TRIGHERS:	jeg un	o (massing)	n SOL/I)ro	cle .			
	In Oracle, trigge	erce arc	o PIISAL	blocks the	at enecute			
	automortically when a							
	View, Schema, orc database. Orcacle supports various							
	types of traiggers, including:							
	1. DML Triggers			ta Manipula	naite			
	Language (DML)							
	DELETE.							
	. 2. DDL Traiggens	· Trino	aged by D	ata Dofini	tion			
	Language (DDL) e	· had	like CRA	ATE ALTE	R and			
	DROP.	ocarr-	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	- 3. INSTEAD OF T	101 C C CO	c. Oo fro	d on wlow	c to			
	tredirect DML o	percati	ons to the	Underclyhis	y tables.			
	4. Compound Tre	t.		-				
	Points in a Single of			,,,,,,				
		1287.0		200				
	Syntan for creati				- Enample):			
	CREATE OR REPLACE		-	-hame				
	BEFORE LAFTER I INST INSERT DRUPDATE							
	on table-name							
NPUT GIVEN								
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BLEM STATEMENT									
ORITHM & CODE	BEGIN Treigger END; Enamples: 1. BEFORE IN: Value to a CREATE OR BEFORE INSER FOR FACH BEGIN : NEW. his System date Enample Use INSERT IN	Tologic herce FRT Traggon: column before REPLACE TRIGIO TON employ ROW re-date:= 30 before inser	re insert IER beforce ess SDATE; retion PND (emp-id, n	ing a new _ insert _ en _ e	nample with significant				
INPUT GIVEN	N I								
OUTPUT OBTA	INED				400000				
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OBLEM STATEMENT	T							
GORITHM & CODE	A. WE LEIK OF DITTE	AFTER UPDATE Triggers! Logs changes made to a ble into our audit table.						
	CREATE OR REPLA	LEATE OR REPLACE TRIGGER afters-update-enample						
	new_ Salarry, cho	BEGIN INSERT INTO employee audit (emp. id, od-salary, new_salary, change_date)						
		VALUES (: DLD. emp-id, : OLD. Salarry, :NEW. Scharry, SYSDATE); END;						
	Emanque Usago: UPDATE employee	Emangle Usago: UPDATE employees SFT salarry = 60000 WHERE emp_id = 101						
	3. BEFORE DELET	3. BEFORE DELETTS Trigger: Prevents debetton of employees in a specific department.						
		CREATE OR REPLACE TRIGGER beforce-debete-enample BEFORE DELETE ON employees FOR EACH ROW						
INPUT GIVE	N			11/15/14				
OUTPUT OBTA	AINED		usa (link					
REMARKS								
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OBLEM STATEMENT					
INPUT GIVEN OUTPUT OBTA	IF: OLD. departed RAISE_APPLIE EMPloyees from HR END IF; FND; Emample Usage: DELETE FROM empl This will throw an 4. INSTEAD OF Traigge When by reedfreechin CREATE OR REPLACE INSTEAD OF INSERT FOR EACH ROW BEGIN INSERT INTO emple VALUES (: NEW. & END; Emample Usage: INSERT INTO emple	entrion. Ex department entror, Proper (for View of Changes TRIGGER ON Emp.	RE deponuenting ws): All to the instead view id, name,:	retment = the deleti ons updi underclyi s = of - one Salary) NEW Sala	'HR'; on. atos on a ing tables. ample
REMARKS					
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BLEM STATEMENT							
SORITHM & CODE :	(102, 'Alice', 70000	0);					
	This will insert the data into the employees table instead.						
	when to Use Traiggers?						
0	Audit logging						
0	Enforcelling business	rules					
9	Automatically Updation	ng derai	ved values				
0	· Restructing Cerctain opercations						
	cursors:						
	A Curesore in Oreas	ue is a	pointer	to a 8	Lal result		
	sel. It is used to				Commercial and the Commercial State of the Commercial		
Language .	one at a time.						
	Types of Ourcesorce						
MONEY IN	Implicit Curson - A	utomatic	ally creeat	ed forc S	ELECT,		
	INSERT, UPDATE OF T	DELETE	gladements				
	Emplicit Curcson - D	perined h	my the User	r for he	ndling quory		
	results row by rou	J.	U				
The same of	Curison FOR Loop-	A Simple	er way to	itercate.	through		
	con emplicit cureso	n.					
IPUT GIVEN				-			
UTPUT OBTAINED							
EMARKS							
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PROBLEM STATEMENT					
ALGORITHM & CODE	DECLARE DOCLARE CURROR	nounically. Lynamic custime Frample: attically creations FLETE are SI NTO V-total T_LINE ('Total Frample quercy recessing.	resore that allows. eates an implication stades FROM employees	s fetchings it Curesons ments.	
	CURSOR emp_cursos SELECT emp_id, now		om employees;		
INPUT GIVEN					
OUTPUT OBTAINED					
REMARKS					
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ROBLEM STATEMENT					
ALGORITHM & CODE:	V-emp-id employees V-name employees V-solvery employees V-solvery employees V-solvery employees OPEN emp-cureson FXIT WHEN emp-cureson EXIT WHEN emp-cureson FND LOOP; Close cureson FND; 3. Cureson FOR LON A Simpler way manually opening, DECLARE CURSOR emp-cure	e. emp-id 10 TYPE; I name 16 TYPE; Salaryolo TYPE; one by one INTO N-emp-id, wason olo NOTFOUND; UT. LINE ('ID:' IIV-en alarry); op Emanple to use ean amplific fetching, and closing	cit cureson	coithocut	
INPUT GIVEN		,			
OUTPUT OBTA	INED				
GRADE:	Signature of Faculty Date:	Signature of S Date :	tudent		

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THE PARTY STATE	Branch :	Semester		Page No.	Prog No.	
PROBLEM STATEMENT						
ALGORITHM & CODE:	BEGIN FOR emp-rec IN DBMS. OUTPOT Name: 'll emp-rec. n END LOOP; END; 4. Parcounctercized A curesore that accord DECLARE CURSOR emp-cu SELECT omp-id Salway > P. min - Sa BEGIN Fore emp-rece IN DDMS. OUTPU ! Name: 'll emp-rece END; END; S. REF Curesore foram A REF CURSOR allow at runtime.	PUT_LINAME II', CUITCEON CUITCEON	Salvery: 'Il Salvery: 'Il E Franche Trameter min - Salve Adary fr MESORE (50) LINE ('ID OII', Salver Jeanic Ceres	rey Nomeron employ: 'llemp-ing: 'll emp	Solary); Ser JIS Tees WHERE Teec. emp-idll Treec. Salvary	
INPUT GIVEN						
OUTPUT OBTAINED						
REMARKS					11/19/19/19	
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	Data :		Data .	The second secon	The second secon	

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PROBLEM STATEMEN					r rog no.			
ALGORITHM & CODE	: DECLARE							
	TYPF emp-roof	Cureo	rc. 15 Rec	0110000				
	Vienp- curson	Memp-cureson emp-ref-curesor;						
	V-enp-id employees comp-id-10/17PF; V-noume employees name -10 TYPE; V-Salarry employees, salarry -10 TYPE; BEGIN							
	open RAF aura	sorz	dynamically					
	OPEN V-emp- Clare	2	o my					
	Salvary FROM emple	orc 1	OK SELFCT	emp_1d,	name,			
	MHEDO COM EMPIN	oyeee						
	WHERE Salarry > 600	00;						
	LOOP POTCH N		In 19man					
	AFTCH V-emp- Lu V- Salary;	resore,	1410 1-6	mp-id, v-	noumo,			
		D (
	FXIT WHEN W.en	4 - CU	resors of MOLI	FOUND;	,			
	DBMS- OUTPUT. PA	UI - LI	46 (11) : 11.	V-emp_id [, Namo:			
	1 11 V-name 11, Sala	arcy:	11 V- salary);					
	END LOOP;							
	- Close Curisor				1/2 1/2			
	ENDCIOSE N-emp-	meson	τ',					
PUT GIVEN								
TPUT OBTAINED								
MARKS								
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BLEM STATE	MENT						
ORITHM & CO	ODE: Curcsorz Attrail	ocutes:					
	Attrai bute	De	escraiption				
	of Found	Returns TRUE if	arcow is fer	ched.			
	% NOTFOUND	Returns TRUFIF no row is found.					
	*16ROWCOUNT	Retruchs the numbers of forced rooms					
	-10150PEN	010150PFN Returens TRUE IF the cureson isopen?					
	Emanple: If emp-curesore	of David Time					
		PUT . PUT - LINE (Record foun	a');			
	whento use ce - Fetching multip	ple rooms one b	ey one				
		ge result so		AL			
		Performing row by row operations Dynamically restrieving record in stored movedures.					
IVEN							
OBTAINED							
	Signature of Faculty Date:	Signature of S	tudent				
		Date:	1				