

B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LAB NAME: RICHARD STALLMAN ACADEMIC YEAR: 2018-2019 ODD SEMESTER DATABASE MANAGEENT SYSTEM LAB (EC 795C)

Nos.	LIST OF EXPERIMENTS								co	PO/ PSO			
	1. Create the following table: STUDENT									_		PO1, PO2, PO3,	
		Column Name			Data Type		Siz			traints			PO4,
		RegNo RollNo Name Address			Varchar2 Number Varchar2 Varchar2		6	6 No		ot null			PO5,
													PO8, PO9,
								15 Not n	Not nu				PO9, PO10,
									Not nu	11			PO10,
	PhoneNo				Number			10					PSO2
			OfAdm		Number			4 Not nul					1502
)eptCode		Varchar2		4		Not null				
		Year			Number		1		Not nu				
		Birtl	nDate		Date	<u> </u>		Not nu	11				
	2. I	nsert the f	ollowing da	ta in the stu	dent table.								
	RegNo	RollNo	Name	Address	PhoneNo	YearOf	Adm	De	ptCode	Year	BirthDate		
	012301			Jadavpur	24761892	2003			SE 3		01-Jun-81		
_	012315	123015	Kamal	Kasba	24424987	2003		CS	E	3	19-Sep-81	CO2	
E-	012424	124024	Ipsita	Kaikhali	25739608	2004		CS	E	2	15-Aug-82		
01	012250	122050	Anita	Hooghly	36719695	2002		IT		4	22-Dec-80	CO3	
	012344	123044	Biplab	Howrah		2003		IT		3	03-Jan-82		
	012357	123057	Samik	Barasat	25426742	2003		IT		3	15-Jul-81		
	012419	124019	Srija	Garia	24755655	2004	EE			2	25-Oct-82		
	012427	124027	Saibal	Garia	24753306	2004		EC		2	22-Mar-83		
	012236	122036	Santanu	DumDum		2002	EC			4	11-Dec-80		
	012349	123049	Gita	Kasba	24428682	2003		MC	CA	3	14-Apr-81		
	 Display all records Display name, address and year of admission of each student List the name and year of students who are in Computer Science. List the names and departments of students belonging to 3rd year. Display names of students with 'a' as the second letter in their names. Display names of students in alphabetical order. Display names and addresses of students who took admission in the year 2004. List the names of students who do not have a phone number. 												

© Dept. of ECE EC 795C



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LAB NAME: RICHARD STALLMAN ACADEMIC YEAR: 2018-2019 ODD SEMESTER DATABASE MANAGEENT SYSTEM LAB (EC 795C)

E- 02	 Delete the nar Display the man of the action o	CO2 , CO3 , CO4	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO12, PSO2					
	1. Create table DEPARTMENT Column Name Data Type Size Constraints DeptCode Varchar2 4 Not null, Primary key DeptName Varchar2 15 Not null HOD Varchar2 4 Not null FACULTY							
E- 03	FacultyCode FacultyName DateOfJoin DeptCode	Varchar2 Varchar2 Date Varchar2	Constraints Not null, Primary key, Starts with 'F' Not null Not null Must be either CSE,IT, CA, CHEM, MTHS, PHYS, HUM, BBA	CO2 , CO3				
	2. Insert appropriate Add constraints 4. Find the name 5. Find the name 6. Show the name 7. Find the name 8. Find the num 9. Add an extra 10. Insert values in 11. Find the name 12. Find the name 13. Find the maximum series in the name 13.	CO4						
	1. Create table S	CO1 , CO2	PO1, PO2, PO3, PO4,					
E- 04	SubjectCode Varchar2 4 Not null, Primary key SubjectName Varchar2 15 Not null Faculty Varchar2 4 Foreign key references FacultyCode of table FACULTY					PO5, PO8, PO9, PO10,		
	2. Find the number		PO11, PO12, PSO2					

© Dept. of ECE EC 795C



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LAB NAME: RICHARD STALLMAN ACADEMIC YEAR: 2018-2019 ODD SEMESTER DATABASE MANAGEENT SYSTEM LAB (EC 795C)

	 Increment the salary of each faculty by Rs 500. Find the names of students and faculties whose name start with 'S'. Find the students who stay in Kaikhali Find the names of faculties who take classes in the IT department. Find the names of all faculties whose HOD is given. Add extra attribute to the Subject table - department varchar2 (4), year varchar2 (1) Insert values into the fields - department, year. Find the names of faculties who earn more than the average of all faculties. List the names of faculties of CSE department who earn more than the average salary of the department. Find the maximum and minimum salaries among faculties. 		
	 13. Find the second maximum salary among all faculties. 14. Find the names of faculties who are not the HOD's of any department. 15. Find the names of subjects for students of CSE 3rd year. 16. Name the departments having highest number of faculties and display the names of faculties 		
E- 05	 Write a PL/SQL code, EX_INVNO.SQL, block for inverting a number using all forms of loops. Write a PL/SQL code, EX_SUMNO.SQL that prints the sum of 'n' natural numbers. Write a PL/SQL code, EX_AREA.SQL, of block to calculate the area of the circle for the values of radius varying from 3 to 7. Store the radius and the corresponding values of calculated area in the table AREA_VALUES. Empa Schema<id age,="" dname,="" expence,="" income,="" name,="" number,="" savings=""> Emp Schema<institute employee="" id,="" name,="" salary=""> Sal <institute employee,="" name,="" salary="" total=""> a. For every insert or delete or update in Empa table create trigger to display the message TABLE IS INSERTED or TABLE ISDELETED or TABLE IS UPDATED b. Define trigger to force all department names to uppercase.</institute></institute></id> Create a Trigger to check the age valid or not using message after every insert or delete or update in Trig table d. Create a Trigger to check the age valid and Raise appropriate error code and error message. A trigger restricting updates that allows changes to Empa records only on Mondays through Fridays, and only during the hours of 8:00am to 5:00pm. Create a Trigger for Emp table it will update another table Sal while inserting values. 	CO1 , CO4 , CO5	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12, PSO2
E- 06	 Write a PL/SQL program to print all the prime numbers between 100 and 400 Write a PL/SQL program to print n terms of fibonacci series. Write a PL/SQL block of code for inverting a number 5639 to 9365. Write a PL/SQL program to calculate HCF of two numbers. 	CO1 , CO5	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12, PSO2
E- 07	 Create a PL/SQL program using cursors, to retrieve first tuple from the department relation.(use table dept(dno, dname, loc)) Create a PL/SQL program using cursors, to retrieve each tuple from the department relation.(use table dept(dno, dname, loc)) Create a PL/SQL program using cursors, to display the number, name, salary of the three highest paid employees. (use table emp(empno, ename,sal)) Create a PL/SQL program using cursors, to delete the employees whose salary is more than 3000. Create a PL/SQL program using cursors, to update the salary of each employee by the avg salary if their salary is less than avg salary. Create a PL/SQL program using cursors, to insert into a table, NEWEMP, the record of ALL MANAGERS. Also DISPLAY on the screen the NO, NAME, JOIN_DATE. Handle any user defined exceptions. (use table emp(emp_no, emp_name, join_date, design)) 	CO1 , CO5	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12, PSO2

© Dept. of ECE EC 795C