

# INDEX

## DBMS Program

SL No	TITLE OF PROGRAM	PAGE NO	SIGNATURE
1	<p>INSURANCE DATABASE</p> <p>PERSON( <b>driver_id</b>:string , name:string , address:string )</p> <p>CAR( <b>regno</b>:string , model:string , year:int )</p> <p>ACCIDENT( <b>report_number</b>:int , accd_date:date , location:string )</p> <p>OWNS( <b>driver_id</b>:string , <b>regno</b>:string )</p> <p>PARTICIPATED(<b>driver_id</b>:string,<b>regno</b>:string , <b>report_number</b>:int, damage_amount:int)</p> <ol style="list-style-type: none"> <li>1) Create the above tables by properly specifying the primary keys and foreign keys.</li> <li>2) Enter at least five tuples for each relation.</li> <li>3) Demonstrate updating of data value, insertion of new record.</li> <li>4) Write queries <ol style="list-style-type: none"> <li>a. Find the total number of people who owned cars that were involved in accidents in a specific year.</li> <li>b. Find the number of accidents in which cars belonging to a specific model were involved.</li> <li>c. List the details of the cars not involved in accident for a specific year.</li> </ol> </li> </ol>		
2	<p>ORDER PROCESSING DATABASE APPLICATION IN A COMPANY.</p> <p>CUSTOMER( <b>custno</b>:int , cname:string , city:string )</p> <p>ORDER( <b>orderno</b>:int , odate:date , custno:int , ord_amt:int )</p> <p>ORDER_ITEM( <b>orderno</b>:int , <b>itemno</b>:int , quantity:int )</p> <p>ITEM( <b>itemno</b>:int , <b>unitprice</b>:int)</p> <p>SHIPMENT( <b>orderno</b>:int , <b>warehouseno</b>:int , ship_date:date )</p> <p>WAREHOUSE( <b>warehouseno</b>:int , city:string )</p> <ol style="list-style-type: none"> <li>1) Create the above tables by properly specifying the primary keys and foreign keys.</li> <li>2) Enter at least five tuples for each relation.</li> <li>3) Produce a listing: custname , No_of_orders , Avg_order_amount , where the middle column is the total number of orders by the customer and the last column is the average order amount for that customer.</li> <li>4) List the orderno for orders that were shipped from all the warehouses that the company has in a specific city.</li> <li>5) Demonstrate the deletion of an item from the ITEM table and demonstrate a method of handling the rows in the ORDER_ITEM table that contains this particular item.</li> </ol>		

3	<p>BOOK DEALER INFORMATION DATABASE.</p> <p>AUTHOR( <b>author_id</b>:int , name:string ,city:string , country:string )</p> <p>PUBLISHER(<b>publisher_id</b>:int,name:string,city:string,country:string)</p> <p>CATALOG( <b>book_id</b>:int , title:string , author_id:int , publisher_id:int , category_id:int , year:int , price:int)</p> <p>CATEGORY( <b>category_id</b>:int , description:string )</p> <p>ORDER_DETAILS( <b>order_no</b>:int , <b>book_id</b>:int , quantity:int )</p> <ol style="list-style-type: none"> <li>1) Create the above tables by properly specifying the primary keys and foreign keys.</li> <li>2) Enter at least five tuples for each relation.</li> <li>3) Give the details of the authors who have 2 or more books in the catalog and the price of the books is greater than the average price of the books in the catalog and the year of publication is after 2000.</li> <li>4) Find the author of the book that has maximum sales.</li> <li>5) Demonstrate how you increase the price of books published by a specific publisher by 10%</li> </ol>		
<b>Networking Programs</b>			
1	Write a networking program in Java to implement a TCP server that provides services for a TCP Client.		
2	Write a networking program to implement socket programming using User datagram Protocol in Java.		
3	Implement an FTP server using socket programming.		
4	Implement a chat server using socket programming		
5	Implement an ECHO server using socket programming.		
6	Implement Address Resolution Protocol using socket programming.		
7	Implement Ping server and Ping client using socket programming.		
8	Implement Remote Command Execution using network programming.		
9	Implement a program to retrieve the data for the specified URL.		
10	Write a Java program to check whether the given DNS is found in the internet or not.		
11	Write a network program using HTTP to print the document for the given URL.		