

Asansol Engineering College

Sub. Name: Database Management System Lab Sub. Code: PCC-CS691 Dept- IT

Sl. No	Name of the Experiment	List of Experiments	Page No															
1	Database Management and Table Operations in SQL, including creating and deleting databases, creating tables with specific schemas, inserting data, displaying data, and create table from another tables.	<div><div><div>1. Create a database named as aecitdb</div><div>2. Create another database named as tempdb</div><div>3. Delete the database tempdb</div><div>4. Enter into the database named as aecitdb</div><div>5. Create a table named as TempPerson with the following Schema TempPerson (Pid,FirstName,LastName,City,DOB,Salary) (Data Types of the attributes can be selected by your own choice)</div><div>6. Create a table named as Person with the following Schema Person (Pid,FirstName,LastName,City,DOB,Salary) (Data Types of the attributes should be as follows: Pid --> it should be Integer in nature FirstName,LastName,City --> It should be String in nature DOB --> It should be Date in nature Salary --> It should be Decimal in nature)</div><div>7. Insert the following data in the Person table. 101—Amal—Biswas—Asansol—12/08/1972—90000.89 102—Tamal—Choudhury—Kolkata—15/02/1992—40000.58 103—Rita—Sen—Durgapur—12/08/1986—60000.36</div><div>8. Show all the data present in the Table, Person.</div><div>9. Create a same table named as DummyPerson from the existing table named as Person.</div><div>10. Show all the data present in the recently created Table, DummyPerson.</div><div>11. Show all the tables present in the currently operating database.</div><div>12. Delete the table, DummyPerson.</div></div></div>																
2	Database Management with Table Creation, Modification, and Data Insertion in SQL, Constraints specifications	<div><div><div>1. Create a table named as ITEM with the following specifications</div><table><thead><tr><th>Attribute Name</th><th>Data Types</th><th>Constraints</th></tr></thead><tbody><tr><td>I_no</td><td>Integer in nature</td><td>Primary Key, values within 1 to 1000</td></tr><tr><td>I_name</td><td>String with maximum 20 characters</td><td>Cannot be null, will be in UPPERCASE</td></tr><tr><td>I_price</td><td>Decimal in nature</td><td>Should be within 1.00 to 25.95</td></tr><tr><td>I_qty</td><td>Integer in nature</td><td>Should not be less than 1</td></tr></tbody></table><div><div>2. Create a table named as DUMMY_ITEM_1 with the same specifications as of ITEM.</div><div>3. Create a table named as DUMMY_ITEM_2 with the same specifications as of ITEM but attributes names will be as follows: I_no ---> Item_no , I_name ---> Item_name, I_price ---> Item_price, I_qty ---> Item_quantity</div><div>4. Drop the Primary key from ITEM table.</div></div></div></div>	Attribute Name	Data Types	Constraints	I_no	Integer in nature	Primary Key, values within 1 to 1000	I_name	String with maximum 20 characters	Cannot be null, will be in UPPERCASE	I_price	Decimal in nature	Should be within 1.00 to 25.95	I_qty	Integer in nature	Should not be less than 1	
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		<div>5. Add the Primary Key in the ITEM table.</div> <div>6. Create a table named as CUSTOMER with the following specifications</div> <table><thead><tr><th>Attribute Name</th><th>Data Types</th><th>Constraints</th></tr></thead><tbody><tr><td>Cust_no</td><td>Integer in nature</td><td>Empty cell value not Possible, unique value</td></tr><tr><td>Cust_name</td><td>String with maximum 20 characters</td><td>not null, uppercase</td></tr><tr><td>State</td><td>String with maximum character</td><td>values must be within 'WB', 'UP', 'AP', default value is 'WB'</td></tr></tbody></table> <div>7. Insert the following data into the ITEM table</div> <table><thead><tr><th>I_no</th><th>I_name</th><th>I_price</th><th>I_qty</th></tr></thead><tbody><tr><td>1</td><td>Sword</td><td>2.25</td><td>50</td></tr><tr><td>2</td><td>Nut</td><td>5.00</td><td>110</td></tr><tr><td>3</td><td>Bolt</td><td>3.99</td><td>75</td></tr><tr><td>4</td><td>Hammer</td><td>9.99</td><td>125</td></tr><tr><td>5</td><td>Washer</td><td>1.99</td><td>100</td></tr><tr><td>6</td><td>Nail</td><td>0.99</td><td>300</td></tr><tr><td>7</td><td>Axe</td><td>3.55</td><td>25</td></tr><tr><td>8</td><td>Scissor</td><td>2.19</td><td>15</td></tr></tbody></table> <div>8. Insert the following data into the CUSTOMER table</div> <table><thead><tr><th>Cust_no</th><th>Cust_name</th><th>State</th></tr></thead><tbody><tr><td>1001</td><td>Prakash</td><td>UP</td></tr><tr><td>1002</td><td>Mukesh</td><td>AP</td></tr><tr><td>1003</td><td>Murti</td><td>UP</td></tr><tr><td>1004</td><td>Rajan</td><td>WB</td></tr></tbody></table> <div>9. Using SELECT and INSERT together populate the DUMMY_ITEM_2 table from ITEM table.</div>	Attribute Name	Data Types	Constraints	Cust_no	Integer in nature	Empty cell value not Possible, unique value	Cust_name	String with maximum 20 characters	not null, uppercase	State	String with maximum character	values must be within 'WB', 'UP', 'AP', default value is 'WB'	I_no	I_name	I_price	I_qty	1	Sword	2.25	50	2	Nut	5.00	110	3	Bolt	3.99	75	4	Hammer	9.99	125	5	Washer	1.99	100	6	Nail	0.99	300	7	Axe	3.55	25	8	Scissor	2.19	15	Cust_no	Cust_name	State	1001	Prakash	UP	1002	Mukesh	AP	1003	Murti	UP	1004	Rajan	WB	
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3	SQL Queries on tables ITEM and CUSTOMER , including displaying item and customer details, filtering based on conditions, searching for specific items, and sorting results.	<div>Using the following tables perform the following queries:</div> <div>ITEM(I_no, I_name,I_price,I_qty)</div> <div>CUSTOMER(Cust_no,Cust_name,State)</div> <div>1. Display details of all items</div> <div>2. Display details of all customers from 'UP'.</div> <div>3. Display details of the customer 'Prakash'.</div> <div>4. Display all customers who are either from 'AP' or from 'WB'.</div> <div>5. Display all customers who are not from 'UP'.</div> <div>6. Display the details of item 'Nail'.</div> <div>7. Find all items whose price lies between 2 and 6.</div> <div>8. Find all items whose price does not lie between 2 and 6.</div> <div>9. Find all items whose price is greater than 1.00 but quantity is less than 200.</div> <div>10. Find all items which have 'o' in their names.</div> <div>11. Find all items which starts with 'A'</div> <div>12. Find all items which ends with 'r'</div> <div>13. Sort all customers in descending order of their states.</div>																																																																
4	Database Modification	<div>Using the following tables perform the following queries:</div>																																																																

	<p>and Table Management in SQL, involving updating data, altering table structure, adding and removing columns, changing column names, displaying constraints, truncating data, and deleting tables.</p>	<p>ITEM(I_no, I_name,I_price,I_qty)</p> <p>CUSTOMER(Cust_no,Cust_name,State)</p> <ol style="list-style-type: none">1. Change I_qty to 75 of I_no 1.2. Change the I_price of 'Nut' to 6.3. Increase the Item price by 10%.4. Delete all items whose quantity is 500.5. Delete all items those prices lie between 0.1 and 1.00.6. Add a column "Phone_no number (10)" to CUSTOMER table.7. Change the size of the newly added column to 15.8. Change the name of Phone_no attribute to Ph_number9. Remove the Ph_number attribute from the table10. Change the name of CUSTOMER to CUSTOMER_YourName.11. Change the name of ITEM to ITEM_YourName.12. Display the all the constraints of ITEM_YourName table.13. Truncate all data from CUSTOMER_YourName14. Display all data from CUSTOMER_YourName15. Remove the tables CUSTOMER_YourName, ITEM_YourName, DUMMY_ITEM from the database.																																																																																																											
5	<p>Database Management and SQL Queries on EMPLOYEE and DEPARTMENT tables, involving table creation, foreign key relationships, data population, and various SELECT queries to retrieve specific information from the tables with Join operations.</p>	<ol style="list-style-type: none">1. Create a table named as EMPLOYEE with the following specifications<table><tr><th>Name</th><th>Type</th></tr><tr><td>EMPNO</td><td>NUMBER (4), Primary Key</td></tr><tr><td>ENAME</td><td>VARCHAR2(10)</td></tr><tr><td>JOB</td><td>VARCHAR2(9)</td></tr><tr><td>MGR</td><td>NUMBER(4),</td></tr><tr><td>HIREDATE</td><td>DATE</td></tr><tr><td>SAL</td><td>NUMBER(7,2)</td></tr><tr><td>COMM</td><td>NUMBER(7,2)</td></tr><tr><td>DEPTNO</td><td>NUMBER(2)</td></tr></table>2. Make the DEPTNO of EMPLOYEE table as a foreign key of DEPARTMENT table.3. Create a table named as DEPARTMENT with the following specifications<table><tr><th>Name</th><th>Type</th></tr><tr><td>DEPTNO</td><td>NUMBER(2),</td></tr><tr><td>DNAME</td><td>VARCHAR2(14), NOT NULL</td></tr><tr><td>LOC</td><td>VARCHAR2(13), NOT NULL</td></tr></table>4. Make the DEPTNO of DEPARTMENT table as a Primary key.5. Populate the EMPLOYEE table with the following data<table><tr><th>ENO</th><th>ENAME</th><th>JOB</th><th>MGR</th><th>HIREDATE</th><th>SAL</th><th>COMM</th><th>DEPTNO</th></tr><tr><td>7369</td><td>Smith</td><td>Clerk</td><td>7902</td><td>17-Dec-88</td><td>1000</td><td></td><td>20</td></tr><tr><td>7499</td><td>Allen</td><td>Salesman</td><td>7698</td><td>20-Feb-89</td><td>1600</td><td>300</td><td>30</td></tr><tr><td>7521</td><td>Ward</td><td>Salesman</td><td>7698</td><td>22-Feb-89</td><td>1250</td><td>500</td><td>30</td></tr><tr><td>7566</td><td>Jones</td><td>Manager</td><td>7839</td><td>02-Apr-89</td><td>2975</td><td></td><td>20</td></tr><tr><td>7654</td><td>Marti</td><td>Salesman</td><td>7698</td><td>28-Sep-89</td><td>1250</td><td>1400</td><td>30</td></tr><tr><td>7698</td><td>Blake</td><td>Manager</td><td>7839</td><td>01-May-89</td><td>2850</td><td></td><td>30</td></tr><tr><td>7782</td><td>Clark</td><td>Manager</td><td>7839</td><td>09-Jun-89</td><td>2450</td><td></td><td>10</td></tr><tr><td>7788</td><td>Wong</td><td>Analyst</td><td>7566</td><td>19-Apr-87</td><td>3000</td><td></td><td>20</td></tr><tr><td>7839</td><td>King</td><td>President</td><td></td><td>17-Nov-89</td><td>5000</td><td></td><td>10</td></tr></table>	Name	Type	EMPNO	NUMBER (4), Primary Key	ENAME	VARCHAR2(10)	JOB	VARCHAR2(9)	MGR	NUMBER(4),	HIREDATE	DATE	SAL	NUMBER(7,2)	COMM	NUMBER(7,2)	DEPTNO	NUMBER(2)	Name	Type	DEPTNO	NUMBER(2),	DNAME	VARCHAR2(14), NOT NULL	LOC	VARCHAR2(13), NOT NULL	ENO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	7369	Smith	Clerk	7902	17-Dec-88	1000		20	7499	Allen	Salesman	7698	20-Feb-89	1600	300	30	7521	Ward	Salesman	7698	22-Feb-89	1250	500	30	7566	Jones	Manager	7839	02-Apr-89	2975		20	7654	Marti	Salesman	7698	28-Sep-89	1250	1400	30	7698	Blake	Manager	7839	01-May-89	2850		30	7782	Clark	Manager	7839	09-Jun-89	2450		10	7788	Wong	Analyst	7566	19-Apr-87	3000		20	7839	King	President		17-Nov-89	5000		10	
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6	SQL Queries on DEPARTMENT and EMPLOYEE tables, including retrieving employee details based on location, displaying hierarchical information, modifying queries to include specific employees, comparing hire dates, finding salary-related information such as the second and fifth highest salaries.	Using the following tables perform the following queries: DEPARTMENT (DEPTNO,DNAME,LOC) EMPLOYEE (ENO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTNO) 1. Display the employee name, job, deptno, dept name for all employees who work in DALLAS. 2. Display the employee name, empno along with their manager’s name and manager no. 3. Modify the previous query,2, to display all employees including king, who has no manager. 4. Display the employee’s name of all the employees that work in the same DEPTNO as a given employee. 5. Display the employee’s name, job, dept name, salary, and grade for all employees. 6. Display the employee’s name, and hire date of any employee hired after BLAKE. 7. Display the employee’s name, and hire date along with their manager’s name and hire date of all employees hired before their manager. 8. Find the second highest salary from emp table. 9. Find the fifth highest salary from emp table.																																																								
7	SQL Queries on DEPARTMENT and EMPLOYEE tables, including filtering based on job titles, date of	Using the following tables perform the following queries: DEPARTMENT (DEPTNO, DNAME, LOC) EMPLOYEE (ENO, ENAME, JOB, MGR,HIREDATE,SAL,COMM,DEPTNO) 1. List the names of analysts and salesmen. 2. List details of employees who have joined before 30 Sep 81. 3. List names of employees who are not managers.																																																								

	joining, managerial status, specific employee numbers, department membership, name patterns, and calculating various statistics like the total number of employees, number of designations, total salaries, and specific salary details.	<ol style="list-style-type: none"> List the names of employees whose employee numbers are 7369,7521, 7839,7934, 7788. List employees not belonging to department 30, 40, or 10. List employee names for those who have joined between 30 June and 31 Dec. '81. List the different designations in the company. List the names of employees who are not eligible for commission. List the name and designation of the employee who does not report to anybody. List the employees not assigned to any department. List the employees who are eligible for commission. List employees whose names either start or end with "S". List names of employees whose names have "I" as the second character. List the number of employees working with the company. List the number of designations available in the EMP table. List the total salaries paid to the employees. List the maximum, minimum and average salary in the company. List the maximum salary paid to a salesman. 	
8	Various queries performed on employee and department tables including calculations of employee count, average salary, PF amount, tenure, department-wise statistics, sorting, and additional salary components	<p>Using the following tables perform the following queries: DEPARTMENT (DEPTNO, DNAME, LOC) EMPLOYEE (ENO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)</p> <ol style="list-style-type: none"> List the number of employees and average salary for employees in department 20. List name, salary and PF amount of all employees. (PF is calculated as 10% of basic salary) List names of employees who are more than 2 years old in the company. List the employee details in the ascending order of their basic salary. List the employee's name and hire date in the descending order of the hire date. List employee name, salary, PF, HRA, DA and gross; order the results in the ascending order of gross. HRA is 50% of the salary and DA is 30% of the salary. List the department numbers and number of employees in each department. List the department number and total salary payable in each department. List the jobs and number of employees in each job. The result should be in the descending order of the number of employees. List the total salary, maximum and minimum salary, and average salary of the employees' job wise. List the total salary, maximum and minimum salary, and average salary of the employees, for department 20. List the total salary, maximum and minimum salary, and average salary of the employees' job wise, for department 20 and display only those rows having an average salary > 1000 	
9	Various queries performed on employee and department tables including filtering, formatting output, salary calculations, date display, aggregate	<p>Using the following tables perform the following queries: DEPARTMENT (DEPTNO, DNAME, LOC) EMPLOYEE (ENO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)</p> <ol style="list-style-type: none"> Display the details of the employees whose commission is NULL. Display employee's name and sal+comm. And give the heading Total_Salary. Display the name and increased salary (20% increases) of each manager. Display the output in following format for each Salesman: Mr. <Employee's name>'s total earning is (sal+comm). Display today's date in following format: Today's date is <date>. 24th June ,2021 	

	functions, subqueries, and deletions with associated actions.	<div>6. Display min and max salaries among all employees and rename the fields accordingly.</div> <div>7. Display details of all employees along with their dept name in the ascending order of hiredate.</div> <div>8. Display min, max, average, and total salaries of each dept in ascending order of deptname.</div> <div>9. Display name of the department and number of employees in which at least 4 employees work on.</div> <div>10. Display emp name whose salary is higher than the average salary of all the employees having 5 letters in their name.</div> <div>11. Display details of all employees whose deptname is either SALES or HRD (deptname should be supplied by user using sub query).</div> <div>12. Display name of the location where Wong is working.</div> <div>13. While deleting RESEARCH department of DEPT, it automatically deletes all the corresponding employees of that dept.</div> <div>14. Display the details of top 3 earners.</div> <div>15. Display each employee's name and their corresponding manager's name.</div> <div>16. Modify previous query,15, to include the record of King in the output.</div>																																																																																																																																											
10		<div>1. Create the SALESMAN table with the following data</div> <table><thead><tr><th>salesman_id</th><th>name</th><th>city</th><th>commission</th></tr></thead><tbody><tr><td>5001</td><td>James Hoog</td><td>New York</td><td>0.15</td></tr><tr><td>5002</td><td>Nail Knite</td><td>Paris</td><td>0.13</td></tr><tr><td>5005</td><td>Pit Alex</td><td>London</td><td>0.11</td></tr><tr><td>5006</td><td>Mc Lyon</td><td>Paris</td><td>0.14</td></tr><tr><td>5007</td><td>Paul Adam</td><td>Rome</td><td>0.13</td></tr><tr><td>5003</td><td>Lauson Hen</td><td>San Jose</td><td>0.12</td></tr></tbody></table> <div>2. Create the ORDER table with the following data</div> <table><thead><tr><th>ord_no</th><th>purch_amt</th><th>ord_date</th><th>customer_id</th><th>salesman_id</th></tr></thead><tbody><tr><td>70001</td><td>150.5</td><td>2012-10-05</td><td>3005</td><td>5002</td></tr><tr><td>70009</td><td>270.65</td><td>2012-09-10</td><td>3001</td><td>5005</td></tr><tr><td>70002</td><td>65.26</td><td>2012-10-05</td><td>3002</td><td>5001</td></tr><tr><td>70004</td><td>110.5</td><td>2012-08-17</td><td>3009</td><td>5003</td></tr><tr><td>70007</td><td>948.5</td><td>2012-09-10</td><td>3005</td><td>5002</td></tr><tr><td>70005</td><td>2400.6</td><td>2012-07-27</td><td>3007</td><td>5001</td></tr><tr><td>70008</td><td>5760</td><td>2012-09-10</td><td>3002</td><td>5001</td></tr><tr><td>70010</td><td>1983.43</td><td>2012-10-10</td><td>3004</td><td>5006</td></tr><tr><td>70003</td><td>2480.4</td><td>2012-10-10</td><td>3009</td><td>5003</td></tr><tr><td>70012</td><td>250.45</td><td>2012-06-27</td><td>3008</td><td>5002</td></tr><tr><td>70011</td><td>75.29</td><td>2012-08-17</td><td>3003</td><td>5007</td></tr><tr><td>70013</td><td>3045.6</td><td>2012-04-25</td><td>3002</td><td>5001</td></tr></tbody></table> <div>3. Create the CUSTOMER table with the following data</div> <table><thead><tr><th>customer_id</th><th>cust_name</th><th>city</th><th>grade</th><th>salesman_id</th></tr></thead><tbody><tr><td>3002</td><td>Nick Rimando</td><td>New York</td><td>100</td><td>5001</td></tr><tr><td>3007</td><td>Brad Davis</td><td>New York</td><td>200</td><td>5001</td></tr><tr><td>3005</td><td>Graham Zusi</td><td>California</td><td>200</td><td>5002</td></tr><tr><td>3008</td><td>Julian Green</td><td>London</td><td>300</td><td>5002</td></tr><tr><td>3004</td><td>Fabian Johnson</td><td>Paris</td><td>300</td><td>5006</td></tr><tr><td>3009</td><td>Geoff Cameron</td><td>Berlin</td><td>100</td><td>5003</td></tr><tr><td>3003</td><td>Jozy Altidor</td><td>Moscow</td><td>200</td><td>5007</td></tr><tr><td>3001</td><td>Brad Guzan</td><td>London</td><td></td><td>5005</td></tr></tbody></table>	salesman_id	name	city	commission	5001	James Hoog	New York	0.15	5002	Nail Knite	Paris	0.13	5005	Pit Alex	London	0.11	5006	Mc Lyon	Paris	0.14	5007	Paul Adam	Rome	0.13	5003	Lauson Hen	San Jose	0.12	ord_no	purch_amt	ord_date	customer_id	salesman_id	70001	150.5	2012-10-05	3005	5002	70009	270.65	2012-09-10	3001	5005	70002	65.26	2012-10-05	3002	5001	70004	110.5	2012-08-17	3009	5003	70007	948.5	2012-09-10	3005	5002	70005	2400.6	2012-07-27	3007	5001	70008	5760	2012-09-10	3002	5001	70010	1983.43	2012-10-10	3004	5006	70003	2480.4	2012-10-10	3009	5003	70012	250.45	2012-06-27	3008	5002	70011	75.29	2012-08-17	3003	5007	70013	3045.6	2012-04-25	3002	5001	customer_id	cust_name	city	grade	salesman_id	3002	Nick Rimando	New York	100	5001	3007	Brad Davis	New York	200	5001	3005	Graham Zusi	California	200	5002	3008	Julian Green	London	300	5002	3004	Fabian Johnson	Paris	300	5006	3009	Geoff Cameron	Berlin	100	5003	3003	Jozy Altidor	Moscow	200	5007	3001	Brad Guzan	London		5005	
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		<ol style="list-style-type: none"> 4. Write a SQL statement to display specific columns like name and commission for all the salesmen. 5. Write a query to display the columns in a specific order like order date, salesman id, order number and purchase amount from for all the orders. 6. Write a query which will retrieve the value of salesman id of all salesmen, getting orders from the customers in orders table without any repeats. 7. Write a SQL statement to display names and city of salesman, who belongs to the city of Paris. 8. Write a SQL statement to display all the information for those customers with a grade of 200. 9. Write a SQL query to display the order number followed by order date and the purchase amount for each order which will be delivered by the salesman who is holding the ID 5001. 10. Write a query to display all customers with a grade above 100. 11. Write a query statement to display all customers in New York who have a grade value above 100. 12. Write a SQL statement to display all customers, who are either belongs to the city New York or had a grade above 100. 13. Write a SQL statement to display all the customers, who are either belongs to the city New York or not had a grade above 100. 14. Write a SQL statement to display all customers, who are either belongs to the city New York or had a grade above 100. 	
11		<p>Using the following tables perform the following queries:</p> <p>SALESMAN (salesman_id, name, city, commission) ORDER (ord_no, purch_amt, ord_date, customer_id,salesman_id) CUSTOMER (customer_id, cust_name, city, grade, salesman_id)</p> <ol style="list-style-type: none"> 1. Write a SQL query to display those customers who are neither belongs to the city New York nor grade value is more than 100. 2. Write a SQL statement to display either those orders which are not issued on date 2012-09-10 and issued by the salesman whose ID is 5005 and below or those orders which purchase amount is 1000.00 and below. 3. Write a SQL statement to display salesman_id, name, city and commission who gets the commission within the range more than 0.10% and less than 0.12%. 4. Write a SQL query to display all orders where purchase amount less than 200 or exclude those orders which order date is on or greater than 10th Feb,2012 and customer id is below 3009. 5. Write a SQL statement to exclude the rows which satisfy 1) order dates are 2012-08-17 and purchase amount is below 1000 2) customer id is greater than 3005 and purchase amount is below 1000. 6. Find those salesmen with all information who come from the city either Paris or Rome. 7. Write a query to produce a list of salesman_id, name, city and commission of each salesman who live in cities other than Paris and Rome. 8. Write a query to sort out those customers with all information whose ID value is within any of 3007, 3008 and 3009 9. Write a SQL statement to find those salesmen with all information who gets the commission within a range of 0.12 and 0.14. 10. Write a query to filter all those orders with all information where purchase amount value is within the range 500 and 4000 except those orders of purchase amount value 948.50 and 1983.43 11. Write a SQL statement to find those salesmen with all other information and name started with any letter within 'A' and 'L'. 	

		<div>12. Write a SQL statement to find that customer with all information whose name begins with the letter 'B'.</div> <div>13. Write a SQL statement to find those salesmen with all information whose name containing the 1st character is 'N' and the 4th character is 'I' and rests may be any character.</div> <div>14. Write a SQL statement to find that customer with all information who does not get any grade except NULL.</div> <div>15. Write a SQL statement to find that customer with all information who gets a grade except NULL value.</div> <div>16. Write a query in SQL to display all the data of employees whose last name begins with a 'D'.</div>											
12		<div>Write the PL/SQL Block for the followings:</div> <div>1. To find the largest from the three numbers.</div> <div>2. To find the factorial value of any number.</div> <div>3. To print the Fibonacci Series of n numbers.</div> <div>4. To compute the area of the circle with radius 2,4,6.....40 and store the data into a table 'circle' containing attributes 'radius' and 'area'.</div> <div>5. To accept the marks for three subjects from a student, calculate its average. If average <50 then print FAIL, average is between 50 to 59 then Second Division, average is between 60 to 75 then First Division, average is in between 76 and above then print Distinction.</div>											
13		<div>Write the PL/SQL Block for the followings:</div> <div>1. To accept the empno from EMP table and calculate the tax on salary based on the following –<table><tr><th>Basic Salary</th><th>Tax</th></tr><tr><td>Less than 1500</td><td>5% of Salary</td></tr><tr><td>1500-2500</td><td>7% of Salary</td></tr><tr><td>2501-3000</td><td>9% of Salary</td></tr><tr><td>3501 and above</td><td>10%of Salary.</td></tr></table></div> <div>2.</div> <div>3. To calculate Gross Salary on the basis of basic salary if DA is 40% of basic, HRA is 20% of basic and PF deduction is 12% of basic salary, update all the records in emp table.</div> <div>4. Input 2 non-negative numbers through the key board & find the GCD & LCM.</div> <div>5. To check whether a number is Armstrong or not.</div> <div>6. To display the prime numbers within a range 10 to 100</div>	Basic Salary	Tax	Less than 1500	5% of Salary	1500-2500	7% of Salary	2501-3000	9% of Salary	3501 and above	10%of Salary.	
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