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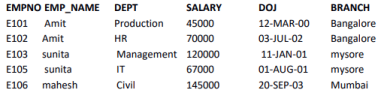
***BATCH : B10***

***Software Development Lab – II [15B17CI271]***

***Assignment Sheet***

***Week 12***

***Q1.*** *Consider Employee table*

**

*Perform the following*

*1. Display all the fields of employee table*

*2. Retrieve employee number and their salary*

*3. Retrieve average salary of all employee*

*4. Retrieve number of employee*

*5. Retrieve distinct number of employee*

*6. Retrieve total salary of employee group by employee name and count similar names*

*7. Retrieve total salary of employee which is greater than >120000*

*8. Display name of employee in descending order*

*9. Display details of employee whose name is AMIT and salary greater than 50000;*

***Solution :***

*1. select \* from employee;*

*2. select EMPNO, SALARY from employee;*

*3. select avg(SALARY) from employee;*

*4. select count(\*) as NO\_EMP from employee;*

*5. select count(distinct EMP\_NAME) from employee;*

*6. select EMP\_NAME,sum(SALARY),count(\*) from employee group by EMP\_NAME;*

*7. select EMP\_NAME,sum(SALARY) from employee group by EMP\_NAME having sum(SALARY)>120000;*

*8. select EMP\_NAME from employee order by EMP\_NAME desc;*

*9. select \* from employee where EMP\_NAME = "Amit" AND SALARY > 50000*;

***Q2.*** *Create a STUDENTS table with Roll No. as primary key. Name and Roll No. cannot be NULL.  Assume appropriate attributes for the table.*

***Solution :***

*create table student(*

*Roll\_No int primary key,*

*Stu\_Name char(20) Not null*

*);*

***Q3.*** *Create a “Customer” table with attributes as ID, City, LastName, FirstName, Address, TotalOrders  using other tables named “User” and “Orders”. The User table has following attributes UserId, City, LastName, and FirstName. Attributes of “Orders” table are UserId, LastOrderNo., TotalOrders, and  Address.*

***Solution :***

*create table customer as (select users.ID, users.CITY, users.LASTNAME, users.FIRSTNAME, orders.LASTORDERNO, orders.TOTALORDER, orders.ADDRESS from users , orders where users.ID = orders.ID );*

***Q.*** *Assume we have a table called employees with the following data:*

***employee\_number last\_name first\_name salary dept\_id***

*1001 Smith John 62000 500*

*1002 Anderson Jane 57500 500*

*1003 Everest Brad 71000 501*

*1004 Horvath Jack 42000 501*

***Q4.*** *Write command to insert an employee record whose employee\_number is 1005, employee\_name is  Sally Johnson, salary is $58,000, and dept\_id is 500.*

***Solution :***

*insert into emp2 values (1005, 'Johnson', 'Sally', 58000, 500);*

***Q5.*** *Write command to insert the employee information with employee\_number greater than 1002 into the  customers table (customer\_id, last\_name, first\_name).*

***Solution :***

*INSERT INTO customers*

*(customer\_id, last\_name, first\_name)*

*SELECT employee\_number AS customer\_id, last\_name, first\_name*

*FROM employee*

*WHERE employee\_number > 1002;*

***Q.*** *Table for the further questions*

***EmpID EmpName EmpEmail PhoneNumber Salary City***

*1 Nidhi nidhi@sample.com 9955669999 50000 Mumbai*

*2 Anay anay@sample.com 9875679861 55000 Pune*

*3 Rahul rahul@sample.com 9876543212 35000 Delhi*

*4 Sonia sonia@sample.com 9876543234 35000 Delhi*

*5 Akash akash@sample.com 9866865686 25000 Mumbai*

***Q6.*** *Write a query to retrieve the number of employees in each city.*

***Solution :***

*select count(\*) , city from emp group by city;*

***Q7.*** *Write a query to retrieve the number of employees having different salaries in*

*each city.*

***Solution :***

*select count(distinct salary) , city from emp group by city;*

***Q8.*** *Write a query to retrieve the number of employees in each city, sorted in descending order.*

***Solution :***

*select count(\*) , city from emp group by city order by count(\*) desc;*

***Q9.*** *Delete all records in the employees table (employee\_id, last\_name, first\_name) where there is a  record in the contacts (contact\_id, last\_name, first\_name) table whose contact\_id is less than 100, and the  contact\_id matches the employee\_id.*

***Solution :***

*Delete from employees where contact.contact\_id<100 and employee.employee\_id=contact.conact\_id;*

***Q10.*** *Print all rows from the employees table where the employee\_id is between 25 and 100.*

***Solution :***

*Select \* from employees where employee\_id>25 AND employee\_id<100;*