**DATABASE MANGEMENT SYSTEMS LAB - S5CSE**

1. **FAMILARISATION OF SQL COMMANDS (Set 1)**
2. Create a Student table with the following fields

Name, Roll no, Age, Branch and insert the following data into the table.

Name Roll no Age Branch

Anil Kumar 201 18 CS

Ramesh V. 202 19 ME

John Paul 103 17 EC

Reema Dev 111 16 CS

Sachin Gaur 301 18 ME

1. Create table called ‘Distributor’ with columns Dcode, Codename, Amount, Limit

and insert the following data.

Dcode Codename Amount Limit

207 BlueStar Ltd 78,000 1,00,000

202 HCL Ltd 80,000 1,00,000

150 Microsystems 60,000 80,000

160 PHI Systems - 90,000

203 Soft Agency 80,000 90,000

1. Create a table called ‘Agencies’ with columns

Agcode, Agname, Amount, Aglimit and insert the following data into the table

Agcode Agname Amount Aglimit

401 Nath & Co 2500 10,000

402 Ram Sons 3600 10,000

403 Krishna Stores 4000 15,000

409 Kantt Mart 3279 10,000

407 Paico - 10,000

1. Alter the structure of table student by adding a column called Totmarks and insert values into the added field
2. Update the ‘Agencies table, set amount field to 5000 corresponding to Agcode = 403.
3. Delete records from distributor table, whose amount is less than 70,000.
4. Display the Agcode and Agname from table Agencies in reverse order of their amount.
5. Display all Agency names for amount less than 4000 from table ‘Agencies’.
6. Display the student info from student table renaming the fields name as studentname, roll no as student\_rollno.
7. Display the student info only in CS.
8. Update the limit field and amount field of distributor table to 1, 50,000 and 10,000 respectively whose limit is 1,00,000.
9. Display the average of total marks of the students
10. **FAMILARISATION OF SQL COMMANDS (Set 2)**
    1. EMPLOYEE

|  |  |
| --- | --- |
| ENO | Primary key, and first letter is E |
| ENAME | Not Null |
| SALARY | Should not be zero |
| DNO | Foreign key referencing DNO of DEPARTMENT |
| MNGRNO |  |
| DOJ |  |
| JOB |  |
| ADDRESS |  |
| CITY | Values must be Cochin, Bombay, Madras, Delhi |
| PINCODE |  |

Eno = employee number, dno = department number, mngrno = manager number, doj = date of joining.

* 1. DEPARTMENT

|  |  |
| --- | --- |
| DNO | Primary Key |
| DNAME | Not Null |
| CNT\_EMP | Should not be greater than 15 |
| DEPT\_HOD |  |

Cnt\_emp = employee count, dept\_hod = head of the department

1. Create Tables Employee and department with the corresponding fields and constraints given above.
   1. List the name of Employees joined after 1- 1- 1998 and working in department number d10.
   2. List all employees working in department other than department number d30.
   3. List the name of employees working in department sales.
   4. List the name of employees who does not have a manager.
   5. List the employees whose names starts with ‘J’ and ‘N’ as third character.
   6. List all the employees joined during the year 2000.
   7. List the name of employees along with their annual salary, and also for each record, get the output,

Every year <ename> earns <amount>

* 1. Find the total number of employees in employee table.
  2. Display the minimum salary of various categories of employees.
  3. List the minimum salary of various categories of employees in various departments having minimum salary greater than 7,000.
  4. Find the minimum salary of manager in various departments.
  5. List the names of all clerks along with the names of departments.
  6. List the employee names and their date of joining in format

dd/mm/yy.