

-:: DBMS ASSIGNMENT - 2::-

Create the following table:

Table Name : EMP

Column Name	Data Type	Size	Constraints
Eno	Char	2	Primary key and first character must be "E"
Ename	Varchar2	10	Not Null
City	Varchar2	10	Cities allowed "Chennai", "Mumbai", "Delhi", "Kolkata"
Salary	Number	6	Salary must be greater than 5000
Dno	Number	2	Foreign key reference DEPT
Join_Date	Date		

Table Name : DEPT

Column Name	Data Type	Size	Constraints
Dno	Number	2	Primary key
Dname	Varchar2	10	Not Null

Table Name : PROJECT

Column Name	Data Type	Size	Constraints
Pno	Char	2	Primary key and first character must be "P"
Eno	Char	2	Primary key and Foreign key reference EMP

Insert the following data into the corresponding table:

Table: EMP

Eno	Ename	City	Salary	Dno	Join_Date
E1	Ashim	Kolkata	10000	1	01-Jun-2022
E2	Kamal	Mumbai	18000	2	05-July-2022
E3	Tamal	Chennai	7000	1	07-Jun-2019
E4	Asha	Kolkata	8000	2	08-Dec-2018
E5	Timir	Delhi	7000	1	12-Mar-2017

Table: DEPT

Dno	Dname
1	Research
2	Finance

Table: PROJECT

Pno	Eno
P1	E1
P2	E3
P1	E5
P2	E1

1. Display all employees having "a" as the second letter in their names.
2. Display employee names for those who joined in the month of Jun.
3. List all employees whose name does not start with "T".
4. Display employee's names of all employees who belong to either "Chennai", or "Delhi" or "Mumbai".
5. List all the employee names whose basic is greater than 7000 and less than 18000.
6. List all the Cities from the EMP table.
7. List the name and the salary of all employee sorted by salary in descending order .
8. Display names of all employees in the alphabetic order.
9. Display the list of all employees who were hired during 2022.
10. Find the average salary of all employees.
11. Find the difference between highest and lowest salary.
12. Calculate total number of employees.
13. Display the joining date of all employees in "dd/mm/yyyy" format.
14. List of all employees who have name exactly 4 characters.
15. Display the structure of table EMP.
16. List the employee name, salary, HRA, DA and gross salary. HRA is 50% of salary and DA is 30% of salary.
17. List only the names of all other employees who get the same basic pay as that of employee "Tamal".
18. Display employee number, employee name and basic pay for employees with lowest salary.