20BCS042 MOHD ADIL ASSIGNMENT 4

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mysql> CREATE DATABASE ASSIGNMENT4;
Query DK, 1 row affected (0.03 sec)
mysql> use ASSIGNMENT4;
Database changed
mysql> create table Employee
    -> (Emp_id int(3) unique,
    -> Emp_name varchar(255),
    -> Salary int,
    -> Dno varchar(5));
Query DK, 0 rows affected, 1 warning (0.08 sec)
mysql> create table Department
    -> (Dno varchar(255) unique,
    -> Dept_name varchar(255));
Query DK, 0 rows affected (0.05 sec)
mysql> insert into Employee values
    -> (101, "Amit", 25000, "D1001"),
    -> (102, "Sunil", 20000, "D1002"),
    -> (103, "Rakesh", 18000, "D1003"),
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-> (104, "Ajay", 16000, "D1001"),
-> (105, "Suhail", 20000, "D1002"),
-> (106, "Arif", 18000, "D1004"),
-> (107, "Suresh", 24000, "D1002"),
-> (108, "Vijay", 22000, "D1003");

Query DK, 8 rows affected (0.01 sec)

Records: 8 Duplicates: 0 Warnings: 0

mysql> insert into Department values
-> ("D1001", "IT"),
-> ("D1002", "Sales"),
-> ("D1004", "HR");

Query DK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0
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SQL QUERIES

1. Display total sum required to pay the salary of all employees.

2. Display the average salary, minimum salary and maximum salary of the Company.

3. Display the sum of salary department-wise.

4. Display the maximum salary department-wise.

5. Display the details of the employee who earns the maximum salary.

6. Display details of every employee having maximum salary in his department.

7. Display the details of the employee who earns more salary than the average salary of his department.

```
mysql> select Emp_id, Emp_name, Salary, Department. DNo, Dept_name from Employee
    -> Employee join Department on Employee. Dno=Department. Dno
    -> where salary > (select avg(salary) from Employee order by Dno);
+-----+
| Emp_id | Emp_name | Salary | DNo | Dept_name |
+-----+
| 101 | Amit | 25000 | D1001 | IT |
| 107 | Suresh | 24000 | D1002 | Sales |
| 108 | Vijay | 22000 | D1003 | Marketing |
+-----+
3 rows in set (0.01 sec);
```

8. Display total number of employees in each department along with the department name.

mysql> select dept_name ,count(emp_id) from department

- -> join employee on department dno=employee dno
- -> group by department dno;

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Ι	dept_name	Ι	count(emp_id)
+-		-+-	+
1	ΙT	1	2
1	Sales		3
1	Marketing		2
1	HR		1 I
++			

4 rows in set (0.00 sec)

Thank You