LAB ASSIGNMENT 6

1. Create and populate the following table ‘EMP06’. Make Emp_no the primary key and F_name not null.

Emp_no	F_name	L_name	Salary	Dept_no
101	Jai		90000	1
102	Viru		80000	1
103	Gabbar	Singh	70000	2
104	Basanti		60000	3
105	Ram	Lal	50000	3
106	Radha	Thakur	30000	3

2. Create and populate the following table ‘PROJECT’. Make P_no the primary key and put a default value constraint on P_Loc with value = ‘Mumbai’.

P_no	P_name	P_Loc
1	XYZ	Pune
2	ABC	Pune
3	IJK	

3. Create and populate the following EMP_PROJ table. Make (Emp_no, P_no) the primary key.

Emp_no	P_no
101	1
102	1
103	2
104	2
101	2
105	2

4. Display the employee’s first names with the project name’s they are working on.

5. In which city Gabbar Singh works.
6. Find the employee names who are not yet assigned to any project (using minus).
7. Find the employee names who are not yet assigned to any project (using outer join).
8. Find the project names where no employees are working (using outer join).
9. Find all the employee names who are working in project number 1 and project ‘ABC’ (using union).
10. Find all the employee names who are working in both project number 1 and project number 2 (using intersect).
11. Find the number of employees working in each project.
12. Find the average salary of each department.
13. Find the department number with the number of employees working in each department where the average salary is greater than 60000 and number of employees greater than 1.
14. Find all the employees who earn more than Basanti.
15. Find all the employees who earn more than the average salary of all employees.
16. Find the employee who earns the highest salary.
17. Find the employee who earns the highest salary in dept_no 3.
18. Find the employee earning the second highest salary.
19. Find the dept_no having the highest average salary.
20. Find the employee with the third highest salary among all the employees.