Assignment # 1

Employees

Empno	Ename	Job	Salary	Deptno
7001	Sandeep	Analyst	25000	10
7002	Rajesh	Designer	30000	10
7003	Madhav	Developer	40000	20
7004	Manoj	Developer	40000	20
7005	Abhay	Designer	35000	10
7006	Uma	Tester	30000	30
7007	Gita	Tech. Writer	30000	40
7008	Priya	Tester	35000	30
7009	Nutan	Developer	45000	20
7010	Smita	Analyst	20000	10
7011	Anand	Project Mgr	65000	10

Departments

Deptno	Dname	Loc
10	Design	Pune
20	Development	Pune
30	Testing	Mumbai
40	Document	Mumbai

Projects

Project_ID	Descr	Start_Date	Planned_End_Date	Actual_End_date	Budget	Client_ID
401	Inventory	01-Apr-11	01-Oct-11	31-Oct-11	150000	1001
402	Accounting	01-Aug-11	01-Jan-12		500000	1002
403	Payroll	01-Oct-11	31-Dec-11		75000	1003
404	Contact Mgmt	01-Nov-11	31-Dec-11		50000	1004

EmpProjectTasks

Project_ID	Empno	Start_Date	End_Date	Task	Status
401	7001	01-Apr-11	20-Apr-11	System Analysis	Completed
401	7002	21-Apr-11	30-May-11	System Design	Completed
401	7003	01-Jun-11	15-Jul-11	Coding	Completed
401	7004	18-Jul-11	01-Sep-11	Coding	Completed
401	7006	03-Sep-11	15-Sep-11	Testing	Completed
401	7009	18-Sep-11	05-Oct-11	Code Change	Completed
401	7008	06-Oct-11	16-Oct-11	Testing	Completed
401	7007	06-Oct-11	22-Oct-11	Documentation	Completed
401	7011	22-Oct-11	31-Oct-11	Sign off	Completed
402	7010	01-Aug-11	20-Aug-11	System Analysis	Completed
402	7002	22-Aug-11	30-Sep-11	System Design	Completed
402	7004	01-Oct-11		Coding	In Progress

Given the tables created in Assignment #1, find solutions for the following.

1. Display employee details who are not 'Developers'
2. Display project details with budget > 100000
3. Display details of project that are already finished
4. Display employee names beginning with 'M'
5. Display employee names ending with 'a'
6. Display the task that is 'In Progress'
7. Display details of departments located in Pune
8. Display employee name and salary in descending order of salary
9. Display tasks in ascending order of end date
10. Display distinct jobs from Employees table

Given the tables created in Assignment #1, find solutions for the following.
1. Display count of employee
2. Display count of employees and sum of their salaries
3. Display max salary per department
4. Display min salary per job
5. Display average salary
6. Display sum of budget
7. Display count of 'Coding' task
8. Display department wise count and sum of salary of employees
9. Display client names and their project desc, start date and budget
10. Display department name, employee name and job
11. Display names of employees doing 'System Analysis' task along with project name
12. Display employee job wise count

Given the tables created in Assignment #1, find solutions for the following.
1. Display the project name with highest budget
2. Display employee names who have same job as 'Madhav'
3. Display employee's name and job who worked on 'Code Change' task of project 401
4. Display department number, names and salaries of employees who are earning max salary in their departments
5. Display name of department with highest SUM of salary