1. 在“用户系统”的数据库创建表：员工表（emp）包括的字段：empno员工号/ename员工姓名/job工作/mgr上级编号/hiredate受雇日期/sal薪金/comm佣金/deptno部门编号)
2. 插入的数据如下：

|  |
| --- |
| insert into emp values('7499' , 'ALLEN' , ‘SALESMAN’,’7698’,'2022-2-20' ,1600,300, '30');  insert into emp values('7521' , 'WARD' , ‘SALESMAN’,’7698’,'2022-2-22' ,1250,500, '30');  insert into emp values('7654' , 'MARTIN' , ‘SALESMAN’,’7698’,'2022-9-28' ,1250,1400, '20');  insert into emp values('7844' , 'TURNER' , ‘SALESMAN’,’7698’,'2022-9-8' ,1500,0, '30');  insert into emp(empno,ename,job,mgr,hiredate,sal,deptno) values('7698' , 'BLAKE' , ‘MANAGER’,’7839’,'2022-5-1' ,2850 '30');  insert into emp(empno,ename,job,mgr,hiredate,sal,deptno) values('7900' , 'JAMES' , ‘CLERK’,’7698’,'2022-12-3' ,900,'10');  insert into emp(empno,ename,job,mgr,hiredate,sal,deptno) values('7100' , 'JAMES' , ‘CLERK’,’7698’,'2022-12-3' ,900,'20'); |

完成下面查询：

1、显示雇员的详细资料，按姓名排序

|  |
| --- |
| Select \*  From `emp` |

2、显示雇员姓名，根据其服务年限，将最老的雇员排在最前面

|  |
| --- |
| Select `ename`  From `emp`  Group by `hiredata` desc |

3、显示所有雇员的姓名、工作和薪金，按工作内的工作的降序顺序排序，而工作按薪金排序

|  |
| --- |
| Select `ename`,`job`,`sal`  From `emp`  Group by `sal` desc or `job` aesc |

4、显示在一个月为30天的情况下所有雇员的日薪金

|  |
| --- |
| select `sal/30` as `money`  from `emp`  group by `ename` |

5、找出在（任何年份的）2月受聘的所有雇员

|  |
| --- |
| select \*  from `emp`  where `hiredate` like '%02%' |

6、对于每个雇员，显示其加入公司的天数

|  |
| --- |
| select TIMESTAMPDIFF(day,`hiredate`,`2023-09-20`)  from `emp` |

7、显示姓名字段的任何位置，包含 "A" 的所有雇员的姓名

|  |
| --- |
| select `ename`  from `emp`  where `ename` like '%A%' |

8、以年、月和日显示所有雇员的服务年限

|  |  |
| --- | --- |
| |  | | --- | | SELECT ename, hiredate, trunc(MONTHS\_BETWEEN(SYSDATE,hiredate) /12) year ,trunc(MOD(MONTHS\_BETWEEN(SYSDATE,hiredate) , 12 ) ) months , trunc(SYSDATE - ADD\_MONTHS(hiredate,months\_between(sysdate,hiredate))) dayFROM emp ; | |

9、列出入职日期早于其直接上级的所有雇员

|  |  |
| --- | --- |
| |  | | --- | | select t.ename from emp t where t.mgr is not null and not exists  (select null from emp m where t.mgr=m.empno and t.hiredate>m.hiredate); | |

1. 列出部门名称和这些部门的雇员,同时列出那些没有雇员的部门

|  |  |
| --- | --- |
| |  | | --- | | select dname,emp.\* from dept,emp where dept.deptno=emp.deptno; | |

1. 列出所有"CLERK"（办事员）的姓名及其部门名称

|  |  |
| --- | --- |
| |  | | --- | | SELECT e.ename, d.dname FROM dept d JOIN emp e ON d.deptno = e.deptno WHERE e.job = 'clerk'; | |