# 考勤项目

## 报表需求

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 客户需求：有源数据<HisGLog\_0001\_20140731.csv> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 制作报表 格式如下： | | | | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **目标表1—EDW\_EMP\_WORK\_DETAIL** |  |  |  |  |  |  |  |  | **目标表2--DM\_EMP\_WORK\_MONTH** | | | |  |  |  |
| **员工考勤明细表** | | | | | | | |  | **员工考勤月报表** | | | | | | |
| **员工Id** | **员工名字** | **月份** | **上班时间** | **下班时间** | **是否迟到** | **是否加班** | **是否早退** |  | **员工Id** | **员工名字** | **月份** | **迟到次数** | **加班次数** | **早退次数** | **周末加班次数** |
| **2** | **李承学** | **2019/09** | **2019/9/5 11:30** | **2019/9/5 17:35** | **1** | **0** | **0** |  | **2** | **李承学** | **2019/09** | **1** | **2** | **0** | **7** |
| **2** | **李承学** | **2019/09** | **2019/9/19 8:53** | **2019/9/19 20:16** | **0** | **1** | **0** |  | **3** | **邸港妮** | **2019/09** | **1** | **0** | **0** | **0** |
| **2** | **李承学** | **2019/09** | **2019/9/26 8:52** | **2019/9/26 20:12** | **0** | **1** | **0** |  | **4** | **肖紫航** | **2019/09** | **2** | **0** | **1** | **4** |
| **3** | **邸港妮** | **2019/09** | **2019/9/5 9:07** | **2019/9/5 17:37** | **1** | **0** | **0** |  | **5** | **王蕊** | **2019/09** | **1** | **0** | **0** | **3** |
| **4** | **肖紫航** | **2019/09** | **2019/9/6 13:06** | **2019/9/6 17:35** | **1** | **0** | **0** |  | **6** | **裴一池** | **2019/09** | **0** | **3** | **1** | **6** |
| **4** | **肖紫航** | **2019/09** | **2019/9/19 9:03** | **2019/9/19 18:35** | **1** | **0** | **0** |  | **7** | **王晓坤** | **2019/09** | **0** | **0** | **0** | **3** |
|  |  |  |  |  |  |  |  |  | **14** | **边佳惠** | **2019/09** | **0** | **0** | **4** | **1** |
|  |  |  |  |  |  |  |  |  | **15** | **王利利** | **2019/09** | **0** | **0** | **0** | **7** |
|  |  |  |  |  |  |  |  |  | **16** | **那凯程** | **2019/09** | **0** | **0** | **0** | **2** |
| **目标表3---DM\_EMP\_WORK\_STAT** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **员工考勤统计表** | | | | | | | | | |  |  |  |  |  |  |
| **员工Id** | **员工名字** | **月份** | **应上班天数** | **旷工天数** | **迟到次数** | **迟到时长** | **早退次数** | **早退时长** | **周末加班次数** |  |  |  |  |  |  |
| **2** | **李承学** | **2019/09** | **21** | **8** | **1** | **150** | **0** | **0** | **7** |  |  |  |  |  |  |
| **3** | **邸港妮** | **2019/09** | **21** | **20** | **1** | **7** | **0** | **0** | **0** |  |  |  |  |  |  |
| **4** | **肖紫航** | **2019/09** | **21** | **13** | **2** | **249** | **1** | **15** | **4** |  |  |  |  |  |  |
| **5** | **王蕊** | **2019/09** | **21** | **14** | **1** | **2** | **0** | **0** | **3** |  |  |  |  |  |  |
| **6** | **裴一池** | **2019/09** | **21** | **8** | **0** | **0** | **1** | **20** | **6** |  |  |  |  |  |  |
| **7** | **王晓坤** | **2019/09** | **21** | **17** | **0** | **0** | **0** | **0** | **3** |  |  |  |  |  |  |
| **14** | **边佳惠** | **2019/09** | **21** | **17** | **0** | **0** | **4** | **69** | **1** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **大致开发流程：** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.把csv数据加载到数据库表 EMP\_WORK，此为我们的源数据表 | | | | | |  | **目标表4---DM\_EMP\_WORK\_SAL\_STAT** |  |  |  |  |  |  |  |  |
| 2.针对报表需求，在数据库中创建表 EMP\_WORK\_DETAIL 和 EMP\_WORK\_MONTH （事实表） | | | | | |  | **员工薪酬统计表** | | | | | | | | |
| 3.按照确认后的统计口径，编写存储过程，从源数据表 EMP\_WORK 抽取数据到 事实表EMP\_WORK\_DETAIL 和 EMP\_WORK\_MONTH | | | | | |  | **员工Id** | **员工名字** | **月份** | **迟到应扣** | **旷工应扣** | **早退应扣** | **加班补发** | **应发** | **实发** |
| 4.使用Tableau做报表 (实体、事实、度量… … ) | | | | | |  | **2** | **李承学** | **2019/09** | **119.05** | **1904.76** | **0** | **3333.33** | **5000** | **6309.52** |
|  |  |  |  |  |  |  | **3** | **邸港妮** | **2019/09** | **35.56** | **7619.05** | **0** | **0** | **8000** | **345.4** |
|  |  |  |  |  |  |  | **4** | **肖紫航** | **2019/09** | **413.33** | **4952.38** | **41.9** | **3047.62** | **8000** | **5640** |
|  |  |  |  |  |  |  | **5** | **王蕊** | **2019/09** | **31.59** | **5333.33** | **0** | **2285.71** | **8000** | **4920.79** |
|  |  |  |  |  |  |  | **6** | **裴一池** | **2019/09** | **0** | **3047.62** | **45.87** | **4571.43** | **8000** | **9477.94** |
|  |  |  |  |  |  |  | **7** | **王晓坤** | **2019/09** | **0** | **4047.62** | **0** | **1428.57** | **5000** | **2380.95** |
|  |  |  |  |  |  |  | **14** | **边佳惠** | **2019/09** | **0** | **4857.14** | **161.07** | **571.43** | **6000** | **1553.21** |
|  |  |  |  |  |  |  | **15** | **王利利** | **2019/09** | **0** | **2142.86** | **0** | **3333.33** | **5000** | **6190.48** |
|  |  |  |  |  |  |  | **16** | **那凯程** | **2019/09** | **0** | **3809.52** | **0** | **952.38** | **5000** | **2142.86** |

## 准备工作

### 用户操作

|  |
| --- |
| -- todo 创建数据库用户，源数据用户 create user c##emp identified by itcast;  -- todo 给用户分配权限,角色 grant dba to c##emp;   -- todo 如果表存在就需要清理, 否则不需要执行 -- drop table DIM\_DATE; -- drop table ODS\_EMP\_ATTENDANCE; -- drop table ODS\_EMP\_SALARY;  -- drop table DWS\_EMP\_ATTENDANCE\_DETAIL; -- drop table DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP; -- drop table DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT; -- drop table DM\_EMP\_ATTENDANCE\_STATISTICS; -- drop table DM\_EMP\_SALARY\_STATISTICS;  -- truncate table DWS\_EMP\_ATTENDANCE\_DETAIL; -- truncate table DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP; -- truncate table DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT; -- truncate table DM\_EMP\_ATTENDANCE\_STATISTICS; -- truncate table DM\_EMP\_SALARY\_STATISTICS; |

### 数据源

|  |
| --- |
| CREATE TABLE dim\_date (  dates DATE );  COMMENT ON TABLE dim\_date IS '日期表';  truncate table dim\_date;  INSERT INTO dim\_date with calendar\_dates(calendar\_date) as (  select to\_date('2019-01-01', 'yyyy-mm-dd')  from dual  union all  select calendar\_date + 1  from calendar\_dates  where calendar\_date < to\_date('2030-12-31', 'yyyy-mm-dd') ) select calendar\_date as dates from calendar\_dates order by dates ;  create table ods\_emp\_salary (  empid number,  ename varchar2(50),  sal number(10, 2) );   INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (1, '李坤', 5000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (2, '李承学', 5000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (3, '邸港妮', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (4, '肖紫航', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (5, '王蕊', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (6, '裴一池', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (7, '王晓坤', 5000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (8, '吴佳琪', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (11, '李中爱', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (12, '王孟颖', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (13, '梁爽', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (14, '边佳惠', 6000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (15, '王利利', 5000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (16, '那凯程', 5000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (17, '赵然', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (18, '许强', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (19, '马雪晴', 6000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (20, '杨宝丽', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (21, '李双双', 20000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (22, '缑文慧', 8000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (23, '王家慧', 6000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (24, '裴一池', 10000.00); INSERT INTO ods\_emp\_salary (empid, ename, sal) VALUES (25, '赵雨', 20000.00);  create table ods\_emp\_attendance (  cno number,  dn number,  u\_id number,  u\_name varchar2(12),  status number,  action number,  apb number,  jobcode number,  datetime date );  COMMENT ON COLUMN ods\_emp\_attendance.cno IS '打卡记录编号'; COMMENT ON COLUMN ods\_emp\_attendance.u\_id IS '员工编号'; COMMENT ON COLUMN ods\_emp\_attendance.u\_name IS '员工名字'; COMMENT ON COLUMN ods\_emp\_attendance.jobcode IS '职位代码'; COMMENT ON COLUMN ods\_emp\_attendance.datetime IS '打卡时间';  INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2754, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:29:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2755, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2756, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2757, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2758, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2759, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-01 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2760, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-01 08:54:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2761, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-01 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2762, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-01 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2763, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-01 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2764, 1, 21, '李双双', 2, 2, 0, 0, TO\_DATE('2019-09-01 18:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2765, 1, 19, '马雪晴', 2, 1, 0, 0, TO\_DATE('2019-09-01 18:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2766, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-01 20:10:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2767, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:23:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2768, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2769, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2770, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2771, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-02 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2772, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2773, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-02 08:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2774, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-02 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2775, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-02 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2776, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-02 17:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2777, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-02 17:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2778, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-02 17:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2779, 1, 15, '王利利', 2, 1, 0, 0, TO\_DATE('2019-09-02 18:01:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2780, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-05 08:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2781, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-05 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2782, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-05 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2783, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-05 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2784, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-05 08:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2785, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-05 08:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2786, 1, 3, '邸港妮', 1, 1, 0, 0, TO\_DATE('2019-09-05 09:07:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2787, 1, 2, '李承学', 1, 1, 0, 0, TO\_DATE('2019-09-05 11:30:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2788, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-05 17:27:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2789, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2790, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2791, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2792, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2793, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2794, 1, 3, '邸港妮', 0, 1, 0, 0, TO\_DATE('2019-09-05 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2795, 1, 23, '王家慧', 7, 1, 0, 0, TO\_DATE('2019-09-05 19:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2796, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:25:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2797, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2798, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2799, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2800, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:42:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2801, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:42:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2802, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-06 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2803, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-06 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2804, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-06 13:06:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2805, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2806, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2807, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2808, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2809, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2810, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-06 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2811, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-06 17:58:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2812, 1, 21, '李双双', 7, 2, 0, 0, TO\_DATE('2019-09-06 20:03:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2813, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-06 20:05:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2814, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:43:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2815, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2816, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2817, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2818, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2819, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-07 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2820, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-07 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2821, 1, 14, '边佳惠', 1, 1, 0, 0, TO\_DATE('2019-09-07 09:01:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2822, 1, 4, '肖紫航', 1, 1, 0, 0, TO\_DATE('2019-09-07 09:01:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2823, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-07 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2824, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-07 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2825, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-07 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2826, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-07 17:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2827, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-07 17:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2828, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-07 17:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2829, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-07 18:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2830, 1, 25, '赵雨', 0, 1, 0, 0, TO\_DATE('2019-09-08 08:20:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2831, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-08 08:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2832, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-08 08:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2833, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-08 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2834, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-08 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2835, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-08 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2836, 1, 25, '赵雨', 1, 1, 0, 0, TO\_DATE('2019-09-08 16:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2837, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-08 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2838, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-08 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2839, 1, 21, '李双双', 7, 2, 0, 0, TO\_DATE('2019-09-08 18:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2840, 1, 23, '王家慧', 7, 1, 0, 0, TO\_DATE('2019-09-08 18:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2841, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-08 18:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2842, 1, 4, '肖紫航', 7, 1, 0, 0, TO\_DATE('2019-09-08 18:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2843, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-08 20:06:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2844, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-09 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2845, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-09 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2846, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-09 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2847, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-09 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2848, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-09 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2849, 1, 23, '王家慧', 1, 1, 0, 0, TO\_DATE('2019-09-09 09:02:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2850, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-09 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2851, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2852, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2853, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2854, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2855, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2856, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-09 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2857, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-12 08:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2858, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-12 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2859, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-12 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2860, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-12 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2861, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-12 08:54:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2862, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-12 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2863, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-12 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2864, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-12 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2865, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-12 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2866, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-12 17:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2867, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-13 08:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2868, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-13 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2869, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2019-09-13 08:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2870, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-13 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2871, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-13 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2872, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-13 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2873, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-13 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2874, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-13 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2875, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-13 17:40:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2876, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-13 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2877, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-13 17:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2878, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-14 08:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2879, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-14 08:43:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2880, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-14 08:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2881, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-14 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2882, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-14 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2883, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-14 08:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2884, 1, 19, '马雪晴', 1, 1, 0, 0, TO\_DATE('2019-09-14 15:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2885, 1, 6, '裴一池', 1, 1, 0, 0, TO\_DATE('2019-09-14 16:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2886, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-14 17:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2887, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-14 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2888, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:42:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2889, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2890, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2891, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2892, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2893, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-18 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2894, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-18 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2895, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2896, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2897, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-18 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2898, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2899, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2900, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2901, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-18 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2902, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-18 19:10:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2903, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-19 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2904, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-19 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2905, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-19 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2906, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-19 08:54:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2907, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-19 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2908, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-19 08:58:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2909, 1, 4, '肖紫航', 1, 1, 0, 0, TO\_DATE('2019-09-19 09:03:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2910, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-19 17:34:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2911, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-19 17:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2912, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2019-09-19 17:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2913, 1, 4, '肖紫航', 7, 1, 0, 0, TO\_DATE('2019-09-19 18:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2914, 1, 5, '王蕊', 7, 1, 0, 0, TO\_DATE('2019-09-19 19:04:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2915, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-19 20:03:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2916, 1, 2, '李承学', 7, 1, 0, 0, TO\_DATE('2019-09-19 20:16:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2917, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-20 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2918, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-20 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2919, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-20 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2920, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-20 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2921, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-20 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2922, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-20 08:58:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2923, 1, 4, '肖紫航', 1, 1, 0, 0, TO\_DATE('2019-09-20 09:01:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2924, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-20 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2925, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-20 17:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2926, 1, 2, '李承学', 2, 1, 0, 0, TO\_DATE('2019-09-20 18:10:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2927, 1, 5, '王蕊', 2, 1, 0, 0, TO\_DATE('2019-09-20 18:12:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2928, 1, 6, '裴一池', 2, 1, 0, 0, TO\_DATE('2019-09-20 18:20:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2929, 1, 21, '李双双', 7, 2, 0, 0, TO\_DATE('2019-09-20 19:28:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2930, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-21 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2931, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-21 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2932, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-21 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2933, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-21 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2934, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-21 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2935, 1, 6, '裴一池', 1, 1, 0, 0, TO\_DATE('2019-09-21 09:00:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2936, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-21 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2937, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-21 17:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2938, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-21 17:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2939, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-21 17:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2940, 1, 6, '裴一池', 2, 1, 0, 0, TO\_DATE('2019-09-21 18:20:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2941, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-21 19:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2942, 1, 2, '李承学', 7, 1, 0, 0, TO\_DATE('2019-09-21 20:03:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2943, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2944, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2945, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2946, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2947, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2948, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2949, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-22 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2950, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-22 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2951, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-22 17:34:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2952, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-22 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2953, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-22 17:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2954, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-22 17:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2955, 1, 5, '王蕊', 2, 1, 0, 0, TO\_DATE('2019-09-22 18:14:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2956, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-22 18:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2957, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-22 18:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2958, 1, 21, '李双双', 7, 2, 0, 0, TO\_DATE('2019-09-22 18:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2959, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-22 18:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2960, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:26:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2961, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:30:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2962, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2963, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:41:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2964, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2965, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2966, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-24 08:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2967, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-24 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2968, 1, 14, '边佳惠', 0, 1, 0, 0, TO\_DATE('2019-09-24 17:13:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2969, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-24 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2970, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-24 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2971, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-24 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2972, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-24 17:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2973, 1, 2, '李承学', 2, 1, 0, 0, TO\_DATE('2019-09-24 18:07:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2974, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-24 18:30:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2975, 1, 5, '王蕊', 7, 1, 0, 0, TO\_DATE('2019-09-24 19:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2976, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-25 08:24:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2977, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-25 08:48:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2978, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-25 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2979, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-25 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2980, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-25 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2981, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-25 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2982, 1, 14, '边佳惠', 0, 1, 0, 0, TO\_DATE('2019-09-25 17:08:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2983, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-25 17:15:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2984, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-25 17:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2985, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-25 17:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2986, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-25 17:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2987, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-25 17:49:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2988, 1, 5, '王蕊', 7, 1, 0, 0, TO\_DATE('2019-09-25 18:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2989, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-25 20:06:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2990, 1, 14, '边佳惠', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:10:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2991, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2992, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2993, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:54:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2994, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-26 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2995, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2996, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-26 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2997, 1, 5, '王蕊', 1, 1, 0, 0, TO\_DATE('2019-09-26 09:02:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2998, 1, 14, '边佳惠', 0, 1, 0, 0, TO\_DATE('2019-09-26 17:11:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2999, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-26 17:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3000, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-26 17:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3001, 1, 21, '李双双', 2, 2, 0, 0, TO\_DATE('2019-09-26 18:05:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3002, 1, 19, '马雪晴', 2, 1, 0, 0, TO\_DATE('2019-09-26 18:08:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3003, 1, 5, '王蕊', 7, 1, 0, 0, TO\_DATE('2019-09-26 18:59:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3004, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2019-09-26 20:05:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3005, 1, 2, '李承学', 7, 1, 0, 0, TO\_DATE('2019-09-26 20:12:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3006, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-27 08:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3007, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-27 08:45:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3008, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-27 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3009, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-27 08:51:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3010, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-27 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3011, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-27 08:53:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3012, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2019-09-27 17:10:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3013, 1, 14, '边佳惠', 0, 1, 0, 0, TO\_DATE('2019-09-27 17:19:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3014, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-27 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3015, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-27 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3016, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-27 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3017, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-27 17:50:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3018, 1, 5, '王蕊', 2, 1, 0, 0, TO\_DATE('2019-09-27 18:05:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3019, 1, 19, '马雪晴', 7, 1, 0, 0, TO\_DATE('2019-09-27 19:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3020, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-28 08:25:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3021, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-28 08:38:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3022, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-28 08:44:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3023, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-28 08:55:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3024, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-28 08:56:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3025, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-28 08:57:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3026, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2019-09-28 17:32:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3027, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3028, 1, 4, '肖紫航', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:36:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3029, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3030, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:37:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3031, 1, 5, '王蕊', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:42:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (3032, 1, 7, '王晓坤', 0, 1, 0, 0, TO\_DATE('2019-09-28 17:43:00', 'YYYY-MM-DD HH24:MI:SS'));  commit; |

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| -- todo 目标1: 员工考勤明细表 create table dws\_emp\_attendance\_detail (  empid number,  ename varchar2(20),  month\_id varchar2(7),  sign\_in timestamp,  sign\_out timestamp,  is\_late number,  is\_overtime number,  is\_early number );  create table dws\_emp\_attendance\_detail\_temp (  empid number,  ename varchar2(20),  day varchar2(10),  sign\_in timestamp,  sign\_out timestamp );   -- todo 目标2: 员工考勤月报表 create table dm\_emp\_attendance\_monthly\_report (  empid number,  ename varchar2(20),  month\_id varchar2(7),  is\_late\_cnt number,  is\_ot\_cnt number,  is\_early\_cnt number,  is\_weekend\_cnt number );   -- todo 目标3: 员工考勤统计表 create table dm\_emp\_attendance\_statistics (  empid number,  ename varchar2(20),  month\_id varchar2(7),  work\_day\_cnt number,  away\_day\_cnt number,  late\_day\_cnt number,  late\_tim\_len number,  early\_day\_cnt number,  early\_tim\_len number,  is\_weekend\_cnt number );   -- todo 目标4: 员工薪酬统计表 create table dm\_emp\_salary\_statistics (  empid number,  ename varchar2(20),  month\_id varchar2(7),  fee\_reduct\_late number(10, 2),  fee\_reduct\_away number(10, 2),  fee\_reduct\_early number(10, 2),  fee\_pre\_ot number(10, 2),  total\_pay\_amount number(10, 2),  final\_pay\_amount number(10, 2) ); |

### 目标表

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| -- todo 目标1: 员工考勤明细表 create table dws\_emp\_attendance\_detail (  empid number, -- 员工ID  ename varchar2(20), -- 员工名字  month\_id varchar2(7), -- 月份  sign\_in timestamp, -- 上班时间  sign\_out timestamp, -- 下班时间  is\_late number, -- 是否迟到  is\_overtime number, -- 是否加班  is\_early number -- 是否早退 );  COMMENT ON TABLE dws\_emp\_attendance\_detail IS '员工考勤明细表'; -- 表注释  COMMENT ON COLUMN dws\_emp\_attendance\_detail.empid IS '员工ID'; -- 列注释 COMMENT ON COLUMN dws\_emp\_attendance\_detail.ename IS '员工名字'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.month\_id IS '月份'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.sign\_in IS '上班时间'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.sign\_out IS '下班时间'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.is\_late IS '是否迟到'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.is\_overtime IS '是否加班'; COMMENT ON COLUMN dws\_emp\_attendance\_detail.is\_early IS '是否早退';  create table dws\_emp\_attendance\_detail\_temp (  empid number,  ename varchar2(20),  day varchar2(10),  sign\_in timestamp,  sign\_out timestamp );   -- todo 目标2: 员工考勤月报表 create table dm\_emp\_attendance\_monthly\_report (  empid number, -- 员工ID  ename varchar2(20), -- 员工名字  month\_id varchar2(7), -- 月份  is\_late\_cnt number, -- 迟到次数  is\_ot\_cnt number, -- 加班次数  is\_early\_cnt number, -- 早退次数  is\_weekend\_cnt number -- 周末加班次数 );  COMMENT ON TABLE dm\_emp\_attendance\_monthly\_report IS '员工考勤月报表'; -- 表注释  COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.empid IS '员工ID'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.ename IS '员工名字'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.month\_id IS '月份'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.is\_late\_cnt IS '迟到次数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.is\_ot\_cnt IS '加班次数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.is\_early\_cnt IS '早退次数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_monthly\_report.is\_weekend\_cnt IS '周末加班次数'; -- 列注释  -- todo 目标3: 员工考勤统计表 create table dm\_emp\_attendance\_statistics (  empid number, -- 员工ID  ename varchar2(20), -- 员工名字  month\_id varchar2(7), -- 月份  work\_day\_cnt number, -- 应上班天数  away\_day\_cnt number, -- 旷工天数  late\_day\_cnt number, -- 迟到次数  late\_tim\_len number, -- 迟到时长  early\_day\_cnt number, -- 早退次数  early\_tim\_len number, -- 早退时长  is\_weekend\_cnt number -- 周末加班次数 );  COMMENT ON TABLE dm\_emp\_attendance\_statistics IS '员工考勤统计表'; -- 表注释  COMMENT ON COLUMN dm\_emp\_attendance\_statistics.empid IS '员工ID'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.ename IS '员工名字'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.month\_id IS '月份'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.work\_day\_cnt IS '应上班天数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.away\_day\_cnt IS '旷工天数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.late\_day\_cnt IS '迟到次数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.late\_tim\_len IS '迟到时长'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.early\_day\_cnt IS '早退次数'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.early\_tim\_len IS '早退时长'; -- 列注释 COMMENT ON COLUMN dm\_emp\_attendance\_statistics.is\_weekend\_cnt IS '周末加班次数'; -- 列注释  -- todo 目标4: 员工薪酬统计表 create table dm\_emp\_salary\_statistics (  empid number, -- 员工ID  ename varchar2(20), -- 员工名字  month\_id varchar2(7), -- 月份  fee\_reduct\_late number(10, 2), -- 迟到应扣  fee\_reduct\_away number(10, 2), -- 旷工应扣  fee\_reduct\_early number(10, 2), -- 早退应扣  fee\_pre\_ot number(10, 2), -- 加班补发  total\_pay\_amount number(10, 2), -- 应发  final\_pay\_amount number(10, 2) -- 实发 );  COMMENT ON TABLE dm\_emp\_salary\_statistics IS '员工薪酬统计表'; -- 表注释  COMMENT ON COLUMN dm\_emp\_salary\_statistics.empid IS '员工ID'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.ename IS '员工名字'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.month\_id IS '月份'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.fee\_reduct\_late IS '迟到应扣'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.fee\_reduct\_away IS '旷工应扣'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.fee\_reduct\_early IS '早退应扣'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.fee\_pre\_ot IS '加班补发'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.total\_pay\_amount IS '应发'; -- 列注释 COMMENT ON COLUMN dm\_emp\_salary\_statistics.final\_pay\_amount IS '实发'; -- 列注释 |

## 目标

### 目标一 员工考勤明细表

#### 路径

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| -- todo 目标1: 员工考勤明细 -- todo 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 -- todo 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 -- todo 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡   -- 员工ID 员工名字 月份 上班时间 下班时间 是否迟到 是否加班 是否早退 -- EMPID ENAME MONTH\_ID SIGN\_IN SIGN\_OUT IS\_LATE IS\_OVERTIME IS\_EARLY -- 2 李承学 2019-09 2019-09-01 08:47 2019-09-01 17:31 0 0 0  -- todo 1 从考勤表 获取需要的字段 员工id, 员工名字, 打卡时间 -- todo 2 获取每人 每天的出勤情况: 上班时间 和 下班时间 -- todo 3 将结果2 保存到 临时表 DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP -- todo 4 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡 -- todo 4.1 查询 打卡一次的 -- todo 4.2 在 4.1的基础上 增加 早于15点 -- todo 4.3 在 4.1的基础上 增加 晚于15点 -- todo 4.4 早于15点 将临时表 的 下班打卡 sign\_out 清空 -- todo 4.5 晚于15点 将临时表 的 上班打卡 sign\_in 清空 -- todo 4.6 验证 -- todo 4.7 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 4.7.1 工作日 指 周一到周五 -- todo 4.7.2 实现判断 是否迟到 -- todo 4.8 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 -- todo 4.9 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 -- todo 4.10 将数据插入到 员工考勤明细表 DWS\_EMP\_ATTENDANCE\_DETAIL |

#### 实现

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| -- todo 1 从考勤表 获取需要的字段 员工id, 员工名字, 打卡时间 select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day,  to\_char(datetime, 'yyyy-mm') as month\_id from ODS\_EMP\_ATTENDANCE t1 order by 1, 2, 3 ;  -- todo 2 获取每人 每天的出勤情况: 上班时间 和 下班时间 with t2 as (  select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day  from ODS\_EMP\_ATTENDANCE t1  -- order by 1, 2, 3 ) select  empid,  ename,  to\_char(datetime, 'yyyy-mm-dd') as day,  min(datetime) as sign\_in,  max(datetime) as sign\_out from t2 group by empid, ename, to\_char(datetime, 'yyyy-mm-dd') order by empid, ename, to\_char(datetime, 'yyyy-mm-dd') ;  -- todo 3 将结果2 保存到 临时表 DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP insert into DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP with t2 as (  select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day  from ODS\_EMP\_ATTENDANCE t1  -- order by 1, 2, 3 ) select  empid,  ename,  to\_char(datetime, 'yyyy-mm-dd') as day,  min(datetime) as sign\_in,  max(datetime) as sign\_out from t2 group by empid, ename, to\_char(datetime, 'yyyy-mm-dd') order by empid, ename, to\_char(datetime, 'yyyy-mm-dd') ;  commit;  -- todo 4 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡 -- todo 4.1 查询 打卡一次的 select  \* from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP where SIGN\_IN = SIGN\_OUT ;  -- todo 4.2 在 4.1的基础上 增加 早于15点 select  t1.\*,  to\_number(to\_char(t1.SIGN\_IN, 'hh24')) from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))<15 ;  -- todo 4.3 在 4.1的基础上 增加 晚于15点 select  t1.\*,  to\_number(to\_char(t1.SIGN\_IN, 'hh24')) from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))>=15 ;  -- todo 4.4 早于15点 将临时表 的 下班打卡 sign\_out 清空 update DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_OUT = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))<15 ;  -- todo 4.5 晚于15点 将临时表 的 上班打卡 sign\_in 清空 update DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_IN = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))>=15 ;  commit;  -- todo 4.6 验证 select \* from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP order by EMPID, day ;  -- todo 4.7 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 4.7.1 工作日 指 周一到周五 select  to\_char(to\_date('2024-03-17', 'yyyy-mm-dd'), 'd') as 周日, -- 1  to\_char(to\_date('2024-03-11', 'yyyy-mm-dd'), 'd') as 周一, -- 2  to\_char(to\_date('2024-03-12', 'yyyy-mm-dd'), 'd') as 周二, -- 3  to\_char(to\_date('2024-03-13', 'yyyy-mm-dd'), 'd') as 周三, -- 4  to\_char(to\_date('2024-03-14', 'yyyy-mm-dd'), 'd') as 周四, -- 5  to\_char(to\_date('2024-03-15', 'yyyy-mm-dd'), 'd') as 周五, -- 6  to\_char(to\_date('2024-03-16', 'yyyy-mm-dd'), 'd') as 周六 -- 7 from dual ; -- todo 4.7.2 实现判断 是否迟到 select  empid, ename, day, sign\_in, sign\_out,  to\_char(to\_date(day, 'yyyy-mm-dd'), 'dy') as 周几1,  to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') as 周几2,  to\_char(SIGN\_IN, 'hh24mi') as 时分,  to\_number(to\_char(SIGN\_IN, 'hh24mi')) as 时分2,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP order by empid, day ;  -- todo 4.8 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 select  empid, ename, day, sign\_in, sign\_out,  -- to\_char(to\_date(day, 'yyyy-mm-dd'), 'dy') as 周几1,  -- to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') as 周几2,  -- to\_char(SIGN\_IN, 'hh24mi') as 时分,  -- to\_number(to\_char(SIGN\_IN, 'hh24mi')) as 上班时分2,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  to\_number(to\_char(SIGN\_OUT, 'hh24mi')) as 下班时分2,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>2000 then 1  else 0  end as IS\_OVERTIME from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP order by empid, day ;  -- todo 4.9 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 select  empid, ename, day, sign\_in, sign\_out,  -- to\_char(to\_date(day, 'yyyy-mm-dd'), 'dy') as 周几1,  -- to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') as 周几2,  -- to\_char(SIGN\_IN, 'hh24mi') as 时分,  -- to\_number(to\_char(SIGN\_IN, 'hh24mi')) as 上班时分2,  -- to\_number(to\_char(SIGN\_OUT, 'hh24mi')) as 下班时分2,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>2000 then 1  else 0  end as IS\_OVERTIME,  to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') as 周几2,  to\_number(to\_char(SIGN\_OUT, 'hh24mi')) as 下班时分2,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))<1730 then 1  else 0  end as IS\_EARLY from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP order by empid, day ;  -- todo 4.10 将数据插入到 员工考勤明细表 DWS\_EMP\_ATTENDANCE\_DETAIL truncate table DWS\_EMP\_ATTENDANCE\_DETAIL;  insert into DWS\_EMP\_ATTENDANCE\_DETAIL select  EMPID,  ENAME,  substr(day, 1, 7) MONTH\_ID,  SIGN\_IN,  SIGN\_OUT,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>=2000 then 1  else 0  end as IS\_OVERTIME,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))<1730 then 1  else 0  end as IS\_EARLY from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP ;  commit;  select \* from DWS\_EMP\_ATTENDANCE\_DETAIL; |

### 目标二: 员工考勤月报表

#### 路径

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| -- todo 目标二: 员工考勤月报表 -- todo 业务口径：迟到次数：必须是工作日，上班时间大于09点01分的 统计 -- todo 业务口径：加班次数：必须是工作日，下班时间晚于20点00分的 统计 -- todo 业务口径：早退次数：必须是工作日，下班时间早于17点30分的 统计 -- todo 业务口径：周末加班次数：必须是非工作日，没有时间限制 统计  -- todo 1 查询周末是否加班: 显示周几 和 是否加班 -- todo 2 查询 每人 每月 的 迟到天数, 加班次数, 早退次数, 周末加班次数 -- todo 3 验证 |

#### 实现

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| -- todo 1 查询周末是否加班: 显示周几 和 是否加班 select  empid, ename, month\_id, sign\_in, sign\_out,  is\_late, is\_overtime, is\_early,  nvl(SIGN\_IN, SIGN\_OUT),  to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'dy') 星期几,  to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') 星期几2,  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end as 周末是否加班 from DWS\_EMP\_ATTENDANCE\_DETAIL ;  -- todo 2 查询 每人 每月 的 迟到天数, 加班次数, 早退次数, 周末加班次数 insert into DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT select  EMPID,  ENAME,  MONTH\_ID,  sum(IS\_LATE) as IS\_LATE\_CNT,  sum(IS\_OVERTIME) as IS\_OT\_CNT,  sum(IS\_EARLY) as IS\_EARLY\_CNT,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as IS\_WEEKEND\_CNT from DWS\_EMP\_ATTENDANCE\_DETAIL group by EMPID, ENAME, MONTH\_ID ;  commit;  -- todo 3 验证 select \* from DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT; |

### 目标三: 员工考勤统计表

#### 路径

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| -- todo 目标3: 员工考勤统计表 -- todo 3.1 在日期表 查询每个月的应上班天数 -- todo 3.2 获取 迟到的分钟数 和 早退的分钟数 -- todo 3.3 逐一实现 -- todo 3.4 插入 -- todo 3.5 验证 |

#### 实现

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| -- todo 3.1 在日期表 查询每个月的应上班天数 select  to\_char(DATES, 'yyyy-mm') month\_id,  DATES,  to\_char(DATES, 'dy') 周几,  to\_char(DATES, 'd') 周几2,  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end as 是否应上班 from DIM\_DATE t1 ;  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as 应上班天数 from DIM\_DATE t1 group by to\_char(DATES, 'yyyy-mm') ;  -- todo 3.2 获取 迟到的分钟数 和 早退的分钟数 select  empid, ename, month\_id, sign\_in, sign\_out, is\_late, is\_overtime, is\_early,  extract(hour from SIGN\_OUT) 小时,  extract(minute from SIGN\_OUT) 分钟,  -- (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT)) 早退的分钟数,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as 早退的分钟数,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + (extract(minute from SIGN\_IN) - 1)  else 0  end as 迟到的分钟数 from DWS\_EMP\_ATTENDANCE\_DETAIL order by IS\_LATE desc, EMPID -- order by IS\_EARLY desc, EMPID ;  -- todo 3.3 逐一实现 with t1 as (  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as WORK\_DAY\_CNT  from DIM\_DATE  group by to\_char(DATES, 'yyyy-mm') ) select  EMPID,  ENAME,  MONTH\_ID,  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) as 应上班天数,  -- /\*  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) 实际上班天数,  -- \*/  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) -  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) as 旷工天数,  sum(IS\_LATE) 迟到天数,  sum(  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end  ) as 迟到分钟数,  sum(IS\_EARLY) 早退天数,  sum(  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end  ) as 早退分钟数,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as 周末加班次数 from DWS\_EMP\_ATTENDANCE\_DETAIL t2 group by EMPID, ENAME, MONTH\_ID ;  -- todo 3.4 插入 insert into DM\_EMP\_ATTENDANCE\_STATISTICS with t1 as (  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as WORK\_DAY\_CNT  from DIM\_DATE  group by to\_char(DATES, 'yyyy-mm') ) select  EMPID,  ENAME,  MONTH\_ID,  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) as 应上班天数,  /\*  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) 实际上班天数,  \*/  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) -  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) as 旷工天数,  sum(IS\_LATE) 迟到天数,  sum(  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end  ) as 迟到分钟数,  sum(IS\_EARLY) 早退天数,  sum(  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end  ) as 早退分钟数,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as 周末加班次数 from DWS\_EMP\_ATTENDANCE\_DETAIL t2 group by EMPID, ENAME, MONTH\_ID ;  commit;  -- todo 3.5 验证 select \* from DM\_EMP\_ATTENDANCE\_STATISTICS; |

### 目标四: 员工薪酬统计表

#### 路径

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| /\* todo 员工薪酬统计表计算口径： todo 说明： todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内) todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算 todo (2) 分钟薪资＝日薪资/8/60。一天工时以8小时计算。 todo (3) 日薪资=月薪资/应上班天数。 todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。 todo (5) 事假扣除＝事假天数\*日薪。 todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资） todo (7) 迟到早退不应该算非工作日 todo (8) 加班补发，是平时上班的两倍(日薪资) todo (9) 实发工资 = 应发工资+加班补发-迟到扣除-早退扣除-旷工扣除  \*/  -- todo 1 计算迟到的分钟数 和 早退的分钟数 -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资 -- todo 3 逐一实现 -- todo 4 插入 |

#### 实现

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| -- todo 1 计算迟到的分钟数 和 早退的分钟数 -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资 -- todo 3 逐一实现 -- todo 4 插入  -- todo 1 计算迟到的分钟数 和 早退的分钟数 select  t1.\*,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as 迟到的分钟数,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as 早退的分钟数 from DWS\_EMP\_ATTENDANCE\_DETAIL t1 -- order by IS\_LATE desc order by IS\_EARLY desc ;  -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资 select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资 from DWS\_EMP\_ATTENDANCE\_DETAIL t1  join DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID ;  -- todo 3 逐一实现 with t4 as (  select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资,  IS\_LATE,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as late\_minutes,  IS\_EARLY,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as early\_minutes,  t2.AWAY\_DAY\_CNT,  t2.IS\_WEEKEND\_CNT  from DWS\_EMP\_ATTENDANCE\_DETAIL t1  join DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID ) , t5 as (  select  EMPID, ENAME, MONTH\_ID,  -- todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  -- todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  sum(  case  when IS\_LATE=1 and late\_minutes>0 and late\_minutes<=2\*60 then 30 + 分钟薪资 \* late\_minutes  when IS\_LATE=1 and late\_minutes<=4\*60 then 日薪 / 2  when IS\_LATE=1 and late\_minutes>4\*60 then 日薪  else 0  end  ) as 迟到应扣费用,  -- todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  max(  AWAY\_DAY\_CNT \* 日薪  ) as 旷工应扣的费用,  -- todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  sum(  case  when IS\_EARLY=1 and early\_minutes>0 and early\_minutes<=2\*60 then 30 + 分钟薪资 \* early\_minutes  when IS\_EARLY=1 and early\_minutes<=4\*60 then 日薪 / 2  when IS\_EARLY=1 and early\_minutes>4\*60 then 日薪  else 0  end  ) as 早退应扣,  -- todo (8) 加班补发，是平时上班的两倍(日薪资)  max(  IS\_WEEKEND\_CNT \* 日薪 \* 2  ) as 加班补发,  max(月薪) 月薪  from t4  group by EMPID, ENAME, MONTH\_ID ) select  empid, ename, month\_id, 迟到应扣费用, 旷工应扣的费用, 早退应扣, 加班补发, 月薪,  (月薪 + 加班补发 - 迟到应扣费用 - 旷工应扣的费用) 实发 from t5 ;  -- todo 4 插入 insert into DM\_EMP\_SALARY\_STATISTICS with t4 as (  select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资,  IS\_LATE,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as late\_minutes,  IS\_EARLY,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as early\_minutes,  t2.AWAY\_DAY\_CNT,  t2.IS\_WEEKEND\_CNT  from DWS\_EMP\_ATTENDANCE\_DETAIL t1  join DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID ) , t5 as (  select  EMPID, ENAME, MONTH\_ID,  -- todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  -- todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  sum(  case  when IS\_LATE=1 and late\_minutes>0 and late\_minutes<=2\*60 then 30 + 分钟薪资 \* late\_minutes  when IS\_LATE=1 and late\_minutes<=4\*60 then 日薪 / 2  when IS\_LATE=1 and late\_minutes>4\*60 then 日薪  else 0  end  ) as 迟到应扣费用,  -- todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  max(  AWAY\_DAY\_CNT \* 日薪  ) as 旷工应扣的费用,  -- todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  sum(  case  when IS\_EARLY=1 and early\_minutes>0 and early\_minutes<=2\*60 then 30 + 分钟薪资 \* early\_minutes  when IS\_EARLY=1 and early\_minutes<=4\*60 then 日薪 / 2  when IS\_EARLY=1 and early\_minutes>4\*60 then 日薪  else 0  end  ) as 早退应扣,  -- todo (8) 加班补发，是平时上班的两倍(日薪资)  max(  IS\_WEEKEND\_CNT \* 日薪 \* 2  ) as 加班补发,  max(月薪) 月薪  from t4  group by EMPID, ENAME, MONTH\_ID ) select  empid, ename, month\_id, 迟到应扣费用, 旷工应扣的费用, 早退应扣, 加班补发, 月薪,  (月薪 + 加班补发 - 迟到应扣费用 - 旷工应扣的费用) 实发 from t5 ;  commit; |

## 全量操作

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| -- todo 目标1: 员工考勤明细 -- todo 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 -- todo 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 -- todo 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡   -- 员工ID 员工名字 月份 上班时间 下班时间 是否迟到 是否加班 是否早退 -- EMPID ENAME MONTH\_ID SIGN\_IN SIGN\_OUT IS\_LATE IS\_OVERTIME IS\_EARLY -- 2 李承学 2019-09 2019-09-01 08:47 2019-09-01 17:31 0 0 0  -- todo 1.1 将结果2 保存到 临时表 DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP insert into DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP with t2 as (  select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day  from ODS\_EMP\_ATTENDANCE t1  -- order by 1, 2, 3 ) select  empid,  ename,  to\_char(datetime, 'yyyy-mm-dd') as day,  min(datetime) as sign\_in,  max(datetime) as sign\_out from t2 group by empid, ename, to\_char(datetime, 'yyyy-mm-dd') order by empid, ename, to\_char(datetime, 'yyyy-mm-dd') ;  -- todo 1.2 早于15点 将临时表 的 下班打卡 sign\_out 清空 update DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_OUT = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))<15 ;  -- todo 1.3 晚于15点 将临时表 的 上班打卡 sign\_in 清空 update DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_IN = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))>=15 ;  -- todo 1.4 将数据插入到 员工考勤明细表 DWS\_EMP\_ATTENDANCE\_DETAIL insert into DWS\_EMP\_ATTENDANCE\_DETAIL select  EMPID,  ENAME,  substr(day, 1, 7) MONTH\_ID,  SIGN\_IN,  SIGN\_OUT,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>=2000 then 1  else 0  end as IS\_OVERTIME,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))<1730 then 1  else 0  end as IS\_EARLY from DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP ;  -- todo 目标二: 员工考勤月报表 -- todo 业务口径：迟到次数：必须是工作日，上班时间大于09点01分的 统计 -- todo 业务口径：加班次数：必须是工作日，下班时间晚于20点00分的 统计 -- todo 业务口径：早退次数：必须是工作日，下班时间早于17点30分的 统计 -- todo 业务口径：周末加班次数：必须是非工作日，没有时间限制 统计  -- todo 2.1 查询 每人 每月 的 迟到天数, 加班次数, 早退次数, 周末加班次数 insert into DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT select  EMPID,  ENAME,  MONTH\_ID,  sum(IS\_LATE) as IS\_LATE\_CNT,  sum(IS\_OVERTIME) as IS\_OT\_CNT,  sum(IS\_EARLY) as IS\_EARLY\_CNT,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as IS\_WEEKEND\_CNT from DWS\_EMP\_ATTENDANCE\_DETAIL group by EMPID, ENAME, MONTH\_ID ;  -- todo 目标3: 员工考勤统计表 -- todo 3.1 在日期表 查询每个月的应上班天数 -- todo 3.2 获取 迟到的分钟数 和 早退的分钟数 -- todo 3.3 逐一实现 -- todo 3.4 插入 -- todo 3.5 验证   -- todo 3.1 插入 insert into DM\_EMP\_ATTENDANCE\_STATISTICS with t1 as (  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as WORK\_DAY\_CNT  from DIM\_DATE  group by to\_char(DATES, 'yyyy-mm') ) select  EMPID,  ENAME,  MONTH\_ID,  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) as 应上班天数,  /\*  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) 实际上班天数,  \*/  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) -  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) as 旷工天数,  sum(IS\_LATE) 迟到天数,  sum(  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end  ) as 迟到分钟数,  sum(IS\_EARLY) 早退天数,  sum(  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end  ) as 早退分钟数,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as 周末加班次数 from DWS\_EMP\_ATTENDANCE\_DETAIL t2 group by EMPID, ENAME, MONTH\_ID ;  /\* todo 员工薪酬统计表计算口径： todo 说明： todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内) todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算 todo (2) 分钟薪资＝日薪资/8/60。一天工时以8小时计算。 todo (3) 日薪资=月薪资/应上班天数。 todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。 todo (5) 事假扣除＝事假天数\*日薪。 todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资） todo (7) 迟到早退不应该算非工作日 todo (8) 加班补发，是平时上班的两倍(日薪资) todo (9) 实发工资 = 应发工资+加班补发-迟到扣除-早退扣除-旷工扣除  \*/  -- todo 1 计算迟到的分钟数 和 早退的分钟数 -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资 -- todo 3 逐一实现  -- todo 4 插入 insert into DM\_EMP\_SALARY\_STATISTICS with t4 as (  select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资,  IS\_LATE,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as late\_minutes,  IS\_EARLY,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as early\_minutes,  t2.AWAY\_DAY\_CNT,  t2.IS\_WEEKEND\_CNT  from DWS\_EMP\_ATTENDANCE\_DETAIL t1  join DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID ) , t5 as (  select  EMPID, ENAME, MONTH\_ID,  -- todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  -- todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  sum(  case  when IS\_LATE=1 and late\_minutes>0 and late\_minutes<=2\*60 then 30 + 分钟薪资 \* late\_minutes  when IS\_LATE=1 and late\_minutes<=4\*60 then 日薪 / 2  when IS\_LATE=1 and late\_minutes>4\*60 then 日薪  else 0  end  ) as 迟到应扣费用,  -- todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  max(  AWAY\_DAY\_CNT \* 日薪  ) as 旷工应扣的费用,  -- todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  sum(  case  when IS\_EARLY=1 and early\_minutes>0 and early\_minutes<=2\*60 then 30 + 分钟薪资 \* early\_minutes  when IS\_EARLY=1 and early\_minutes<=4\*60 then 日薪 / 2  when IS\_EARLY=1 and early\_minutes>4\*60 then 日薪  else 0  end  ) as 早退应扣,  -- todo (8) 加班补发，是平时上班的两倍(日薪资)  max(  IS\_WEEKEND\_CNT \* 日薪 \* 2  ) as 加班补发,  max(月薪) 月薪  from t4  group by EMPID, ENAME, MONTH\_ID ) select  empid, ename, month\_id, 迟到应扣费用, 旷工应扣的费用, 早退应扣, 加班补发, 月薪,  (月薪 + 加班补发 - 迟到应扣费用 - 旷工应扣的费用) 实发 from t5 ;  truncate table DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP; commit; |

## 增量操作

### 准备工作

|  |
| --- |
| INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2954, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:29:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2955, 1, 19, '马雪晴', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:33:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2956, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:39:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2957, 1, 6, '裴一池', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:46:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2958, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:47:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2959, 1, 23, '王家慧', 0, 1, 0, 0, TO\_DATE('2023-09-01 08:52:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2960, 1, 21, '李双双', 0, 2, 0, 0, TO\_DATE('2023-09-01 08:54:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2961, 1, 2, '李承学', 0, 1, 0, 0, TO\_DATE('2023-09-01 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2962, 1, 16, '那凯程', 0, 1, 0, 0, TO\_DATE('2023-09-01 17:31:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2963, 1, 15, '王利利', 0, 1, 0, 0, TO\_DATE('2023-09-01 17:35:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2964, 1, 21, '李双双', 2, 2, 0, 0, TO\_DATE('2023-09-01 18:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2965, 1, 19, '马雪晴', 2, 1, 0, 0, TO\_DATE('2023-09-01 18:09:00', 'YYYY-MM-DD HH24:MI:SS')); INSERT INTO ods\_emp\_attendance (cno, dn, u\_id, u\_name, status, action, apb, jobcode, datetime) VALUES (2966, 1, 6, '裴一池', 7, 1, 0, 0, TO\_DATE('2023-09-01 20:10:00', 'YYYY-MM-DD HH24:MI:SS'));  commit; |

### 实现

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| --- |
| -- todo 目标: 根据指定月份 计算考勤和薪资 -- todo 为了避免重复计算, 需要删除对应数据 delete from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP;  delete from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL where MONTH\_ID='2023-09'; delete from c##emp.DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT where MONTH\_ID='2023-09'; delete from c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS where MONTH\_ID='2023-09'; delete from c##emp.DM\_EMP\_SALARY\_STATISTICS where MONTH\_ID='2023-09';  commit;  -- -- 获取本月的第一天 -- SELECT TRUNC(SYSDATE, 'MONTH') AS first\_day\_of\_month FROM dual; -- -- -- 获取本月的最后一天 -- SELECT LAST\_DAY(SYSDATE) AS last\_day\_of\_month FROM dual; -- -- select -- to\_date('2023-09', 'yyyy-mm'), -- last\_day(to\_date('2023-09', 'yyyy-mm')) -- from dual;  -- todo 目标1: 员工考勤明细 -- todo 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 -- todo 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 -- todo 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡   -- 员工ID 员工名字 月份 上班时间 下班时间 是否迟到 是否加班 是否早退 -- EMPID ENAME MONTH\_ID SIGN\_IN SIGN\_OUT IS\_LATE IS\_OVERTIME IS\_EARLY -- 2 李承学 2019-09 2019-09-01 08:47 2019-09-01 17:31 0 0 0  -- todo 1 从考勤表 获取需要的字段 员工id, 员工名字, 打卡时间 -- todo 2 获取每人 每天的出勤情况: 上班时间 和 下班时间 -- todo 3 将结果2 保存到 临时表 c##emp.c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP -- todo 4 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡 -- todo 4.1 查询 打卡一次的 -- todo 4.2 在 4.1的基础上 增加 早于15点 -- todo 4.3 在 4.1的基础上 增加 晚于15点 -- todo 4.4 早于15点 将临时表 的 下班打卡 sign\_out 清空 -- todo 4.5 晚于15点 将临时表 的 上班打卡 sign\_in 清空 -- todo 4.6 验证 -- todo 4.7 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的 -- todo 4.7.1 工作日 指 周一到周五 -- todo 4.7.2 实现判断 是否迟到 -- todo 4.8 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的 -- todo 4.9 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的 -- todo 4.10 将数据插入到 员工考勤明细表 c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL  -- todo 1.1 将结果2 保存到 临时表 c##emp.c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP insert into c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP with t2 as (  select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day  from ODS\_EMP\_ATTENDANCE t1  where DATETIME between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm'))  -- order by 1, 2, 3 ) select  empid,  ename,  to\_char(datetime, 'yyyy-mm-dd') as day,  min(datetime) as sign\_in,  max(datetime) as sign\_out from t2 group by empid, ename, to\_char(datetime, 'yyyy-mm-dd') order by empid, ename, to\_char(datetime, 'yyyy-mm-dd') ;  -- todo 1.2 早于15点 将临时表 的 下班打卡 sign\_out 清空 update c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_OUT = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))<15 ;  -- todo 1.3 晚于15点 将临时表 的 上班打卡 sign\_in 清空 update c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_IN = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))>=15 ;  -- todo 1.4 将数据插入到 员工考勤明细表 c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL insert into c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL select  EMPID,  ENAME,  substr(day, 1, 7) MONTH\_ID,  SIGN\_IN,  SIGN\_OUT,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>=2000 then 1  else 0  end as IS\_OVERTIME,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))<1730 then 1  else 0  end as IS\_EARLY from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP ;  -- todo 目标二: 员工考勤月报表 -- todo 业务口径：迟到次数：必须是工作日，上班时间大于09点01分的 统计 -- todo 业务口径：加班次数：必须是工作日，下班时间晚于20点00分的 统计 -- todo 业务口径：早退次数：必须是工作日，下班时间早于17点30分的 统计 -- todo 业务口径：周末加班次数：必须是非工作日，没有时间限制 统计  -- todo 2.1 查询 每人 每月 的 迟到天数, 加班次数, 早退次数, 周末加班次数 insert into c##emp.DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT select  EMPID,  ENAME,  MONTH\_ID,  sum(IS\_LATE) as IS\_LATE\_CNT,  sum(IS\_OVERTIME) as IS\_OT\_CNT,  sum(IS\_EARLY) as IS\_EARLY\_CNT,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as IS\_WEEKEND\_CNT from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL where SIGN\_IN between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm'))  or SIGN\_OUT between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm')) group by EMPID, ENAME, MONTH\_ID ;  -- todo 目标3: 员工考勤统计表 -- todo 3.1 在日期表 查询每个月的应上班天数 -- todo 3.2 获取 迟到的分钟数 和 早退的分钟数 -- todo 3.3 逐一实现 -- todo 3.4 插入 -- todo 3.5 验证   -- todo 3.1 插入 insert into c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS with t1 as (  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as WORK\_DAY\_CNT  from DIM\_DATE  group by to\_char(DATES, 'yyyy-mm') ) select  EMPID,  ENAME,  MONTH\_ID,  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) as 应上班天数,  /\*  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) 实际上班天数,  \*/  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) -  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) as 旷工天数,  sum(IS\_LATE) 迟到天数,  sum(  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end  ) as 迟到分钟数,  sum(IS\_EARLY) 早退天数,  sum(  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end  ) as 早退分钟数,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as 周末加班次数 from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL t2 where SIGN\_IN between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm'))  or SIGN\_OUT between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm')) group by EMPID, ENAME, MONTH\_ID ;  /\* todo 员工薪酬统计表计算口径： todo 说明： todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内) todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算 todo (2) 分钟薪资＝日薪资/8/60。一天工时以8小时计算。 todo (3) 日薪资=月薪资/应上班天数。 todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。 todo (5) 事假扣除＝事假天数\*日薪。 todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资） todo (7) 迟到早退不应该算非工作日 todo (8) 加班补发，是平时上班的两倍(日薪资) todo (9) 实发工资 = 应发工资+加班补发-迟到扣除-早退扣除-旷工扣除  \*/  -- todo 1 计算迟到的分钟数 和 早退的分钟数 -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资 -- todo 3 逐一实现  -- todo 4 插入 insert into c##emp.DM\_EMP\_SALARY\_STATISTICS with t4 as (  select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资,  IS\_LATE,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as late\_minutes,  IS\_EARLY,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as early\_minutes,  t2.AWAY\_DAY\_CNT,  t2.IS\_WEEKEND\_CNT  from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL t1  join c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID  where t1.SIGN\_IN between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm'))  or t1.SIGN\_OUT between to\_date('2023-09', 'yyyy-mm') and last\_day(to\_date('2023-09', 'yyyy-mm')) ) , t5 as (  select  EMPID, ENAME, MONTH\_ID,  -- todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  -- todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  sum(  case  when IS\_LATE=1 and late\_minutes>0 and late\_minutes<=2\*60 then 30 + 分钟薪资 \* late\_minutes  when IS\_LATE=1 and late\_minutes<=4\*60 then 日薪 / 2  when IS\_LATE=1 and late\_minutes>4\*60 then 日薪  else 0  end  ) as 迟到应扣费用,  -- todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  max(  AWAY\_DAY\_CNT \* 日薪  ) as 旷工应扣的费用,  -- todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  sum(  case  when IS\_EARLY=1 and early\_minutes>0 and early\_minutes<=2\*60 then 30 + 分钟薪资 \* early\_minutes  when IS\_EARLY=1 and early\_minutes<=4\*60 then 日薪 / 2  when IS\_EARLY=1 and early\_minutes>4\*60 then 日薪  else 0  end  ) as 早退应扣,  -- todo (8) 加班补发，是平时上班的两倍(日薪资)  max(  IS\_WEEKEND\_CNT \* 日薪 \* 2  ) as 加班补发,  max(月薪) 月薪  from t4  group by EMPID, ENAME, MONTH\_ID ) select  empid, ename, month\_id, 迟到应扣费用, 旷工应扣的费用, 早退应扣, 加班补发, 月薪,  (月薪 + 加班补发 - 迟到应扣费用 - 旷工应扣的费用) 实发 from t5 ;  commit; |

## 使用存储过程封装 增量操作

|  |
| --- |
| create or replace procedure pro\_emp\_attendance\_salary(v\_month varchar2) is  begin  -- todo 目标: 根据指定月份 计算考勤和薪资  -- todo 为了避免重复计算, 需要删除对应数据  delete from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP;   delete from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL where MONTH\_ID=v\_month;  delete from c##emp.DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT where MONTH\_ID=v\_month;  delete from c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS where MONTH\_ID=v\_month;  delete from c##emp.DM\_EMP\_SALARY\_STATISTICS where MONTH\_ID=v\_month;   -- -- 获取本月的第一天  -- SELECT TRUNC(SYSDATE, 'MONTH') AS first\_day\_of\_month FROM dual;  --  -- -- 获取本月的最后一天  -- SELECT LAST\_DAY(SYSDATE) AS last\_day\_of\_month FROM dual;  --  -- select  -- to\_date(v\_month, 'yyyy-mm'),  -- last\_day(to\_date(v\_month, 'yyyy-mm'))  -- from dual;   -- todo 目标1: 员工考勤明细  -- todo 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的  -- todo 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的  -- todo 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的  -- todo 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡    -- 员工ID 员工名字 月份 上班时间 下班时间 是否迟到 是否加班 是否早退  -- EMPID ENAME MONTH\_ID SIGN\_IN SIGN\_OUT IS\_LATE IS\_OVERTIME IS\_EARLY  -- 2 李承学 2019-09 2019-09-01 08:47 2019-09-01 17:31 0 0 0   -- todo 1 从考勤表 获取需要的字段 员工id, 员工名字, 打卡时间  -- todo 2 获取每人 每天的出勤情况: 上班时间 和 下班时间  -- todo 3 将结果2 保存到 临时表 c##emp.c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP  -- todo 4 如果员工只打一上次卡，这次卡以15：00为准，早于15：00算上班卡，晚于15：00算下班卡  -- todo 4.1 查询 打卡一次的  -- todo 4.2 在 4.1的基础上 增加 早于15点  -- todo 4.3 在 4.1的基础上 增加 晚于15点  -- todo 4.4 早于15点 将临时表 的 下班打卡 sign\_out 清空  -- todo 4.5 晚于15点 将临时表 的 上班打卡 sign\_in 清空  -- todo 4.6 验证  -- todo 4.7 业务口径： 是否迟到：必须是工作日，上班时间大于9点01分的  -- todo 4.7.1 工作日 指 周一到周五  -- todo 4.7.2 实现判断 是否迟到  -- todo 4.8 业务口径： 是否加班：必须是工作日，下班时间晚于20点00分的  -- todo 4.9 业务口径： 是否早退：必须是工作日，下班时间早于17点30分的  -- todo 4.10 将数据插入到 员工考勤明细表 c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL   -- todo 1.1 将结果2 保存到 临时表 c##emp.c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP  insert into c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP  with t2 as (  select  u\_id empid,  u\_name ename,  datetime,  to\_char(datetime, 'yyyy-mm-dd') as day  from ODS\_EMP\_ATTENDANCE t1  where DATETIME between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  -- order by 1, 2, 3  )  select  empid,  ename,  to\_char(datetime, 'yyyy-mm-dd') as day,  min(datetime) as sign\_in,  max(datetime) as sign\_out  from t2  group by empid, ename, to\_char(datetime, 'yyyy-mm-dd')  order by empid, ename, to\_char(datetime, 'yyyy-mm-dd')  ;   -- todo 1.2 早于15点 将临时表 的 下班打卡 sign\_out 清空  update c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_OUT = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))<15  ;   -- todo 1.3 晚于15点 将临时表 的 上班打卡 sign\_in 清空  update c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP t1 set t1.SIGN\_IN = null  where t1.SIGN\_IN = t1.SIGN\_OUT  and to\_number(to\_char(t1.SIGN\_IN, 'hh24'))>=15  ;   -- todo 1.4 将数据插入到 员工考勤明细表 c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL  insert into c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL  select  EMPID,  ENAME,  substr(day, 1, 7) MONTH\_ID,  SIGN\_IN,  SIGN\_OUT,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_IN, 'hh24mi'))>901 then 1  else 0  end as is\_late,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))>=2000 then 1  else 0  end as IS\_OVERTIME,  case  when (to\_char(to\_date(day, 'yyyy-mm-dd'), 'd') not in (1, 7)) and to\_number(to\_char(SIGN\_OUT, 'hh24mi'))<1730 then 1  else 0  end as IS\_EARLY  from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL\_TEMP  ;   -- todo 目标二: 员工考勤月报表  -- todo 业务口径：迟到次数：必须是工作日，上班时间大于09点01分的 统计  -- todo 业务口径：加班次数：必须是工作日，下班时间晚于20点00分的 统计  -- todo 业务口径：早退次数：必须是工作日，下班时间早于17点30分的 统计  -- todo 业务口径：周末加班次数：必须是非工作日，没有时间限制 统计   -- todo 2.1 查询 每人 每月 的 迟到天数, 加班次数, 早退次数, 周末加班次数  insert into c##emp.DM\_EMP\_ATTENDANCE\_MONTHLY\_REPORT  select  EMPID,  ENAME,  MONTH\_ID,  sum(IS\_LATE) as IS\_LATE\_CNT,  sum(IS\_OVERTIME) as IS\_OT\_CNT,  sum(IS\_EARLY) as IS\_EARLY\_CNT,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as IS\_WEEKEND\_CNT  from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL  where SIGN\_IN between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  or SIGN\_OUT between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  group by EMPID, ENAME, MONTH\_ID  ;   -- todo 目标3: 员工考勤统计表  -- todo 3.1 在日期表 查询每个月的应上班天数  -- todo 3.2 获取 迟到的分钟数 和 早退的分钟数  -- todo 3.3 逐一实现  -- todo 3.4 插入  -- todo 3.5 验证    -- todo 3.1 插入  insert into c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS  with t1 as (  select  to\_char(DATES, 'yyyy-mm') month\_id,  sum(  case  when to\_number(to\_char(DATES, 'd')) not in (1, 7) then 1  else 0  end  ) as WORK\_DAY\_CNT  from DIM\_DATE  group by to\_char(DATES, 'yyyy-mm')  )  select  EMPID,  ENAME,  MONTH\_ID,  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) as 应上班天数,  /\*  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) 实际上班天数,  \*/  (select t1.WORK\_DAY\_CNT from t1 where t1.month\_id=t2.MONTH\_ID) -  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') not in (1, 7) then 1  else 0  end  ) as 旷工天数,  sum(IS\_LATE) 迟到天数,  sum(  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end  ) as 迟到分钟数,  sum(IS\_EARLY) 早退天数,  sum(  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end  ) as 早退分钟数,  sum(  case  when to\_char(nvl(SIGN\_IN, SIGN\_OUT), 'd') in (1, 7) then 1  else 0  end  ) as 周末加班次数  from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL t2  where SIGN\_IN between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  or SIGN\_OUT between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  group by EMPID, ENAME, MONTH\_ID  ;   /\*  todo 员工薪酬统计表计算口径：  todo 说明：  todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  todo (2) 分钟薪资＝日薪资/8/60。一天工时以8小时计算。  todo (3) 日薪资=月薪资/应上班天数。  todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  todo (5) 事假扣除＝事假天数\*日薪。  todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  todo (7) 迟到早退不应该算非工作日  todo (8) 加班补发，是平时上班的两倍(日薪资)  todo (9) 实发工资 = 应发工资+加班补发-迟到扣除-早退扣除-旷工扣除  \*/   -- todo 1 计算迟到的分钟数 和 早退的分钟数  -- todo 2 查看 每人的 月薪, 应上班天数, 日薪, 每分钟薪资  -- todo 3 逐一实现   -- todo 4 插入  insert into c##emp.DM\_EMP\_SALARY\_STATISTICS  with t4 as (  select  t1.EMPID,  t1.ENAME,  t1.MONTH\_ID,  t3.SAL 月薪,  t2.WORK\_DAY\_CNT 应上班天数,  t3.SAL / t2.WORK\_DAY\_CNT 日薪,  t3.SAL / t2.WORK\_DAY\_CNT / 8 / 60 分钟薪资,  IS\_LATE,  case  when IS\_LATE=1 then (extract(hour from SIGN\_IN) - 9) \* 60 + extract(minute from SIGN\_IN)  else 0  end as late\_minutes,  IS\_EARLY,  case  when IS\_EARLY=1 then (17 - extract(hour from SIGN\_OUT)) \* 60 + (30 - extract(minute from SIGN\_OUT))  else 0  end as early\_minutes,  t2.AWAY\_DAY\_CNT,  t2.IS\_WEEKEND\_CNT  from c##emp.DWS\_EMP\_ATTENDANCE\_DETAIL t1  join c##emp.DM\_EMP\_ATTENDANCE\_STATISTICS t2 on t1.EMPID = t2.EMPID  join ODS\_EMP\_SALARY t3 on t1.EMPID = t3.EMPID  where t1.SIGN\_IN between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  or t1.SIGN\_OUT between to\_date(v\_month, 'yyyy-mm') and last\_day(to\_date(v\_month, 'yyyy-mm'))  )  , t5 as (  select  EMPID, ENAME, MONTH\_ID,  -- todo (1) 迟到扣除=30基数+分钟薪资\*迟到分钟。 (2个小时以内)  -- todo 另：迟到超过两小时按迟到半天算（也就是迟到时长超过120分钟，但是小于4个小时，240分钟），超过四小时按一天算  sum(  case  when IS\_LATE=1 and late\_minutes>0 and late\_minutes<=2\*60 then 30 + 分钟薪资 \* late\_minutes  when IS\_LATE=1 and late\_minutes<=4\*60 then 日薪 / 2  when IS\_LATE=1 and late\_minutes>4\*60 then 日薪  else 0  end  ) as 迟到应扣费用,  -- todo (6) 旷工扣除，计算方法和事假扣除计算方法一样（就是扣掉一天工资，等同于迟到超过四小时扣的工资）  max(  AWAY\_DAY\_CNT \* 日薪  ) as 旷工应扣的费用,  -- todo (4) 早退扣除，计算方法和迟到扣除计算方法一样。  sum(  case  when IS\_EARLY=1 and early\_minutes>0 and early\_minutes<=2\*60 then 30 + 分钟薪资 \* early\_minutes  when IS\_EARLY=1 and early\_minutes<=4\*60 then 日薪 / 2  when IS\_EARLY=1 and early\_minutes>4\*60 then 日薪  else 0  end  ) as 早退应扣,  -- todo (8) 加班补发，是平时上班的两倍(日薪资)  max(  IS\_WEEKEND\_CNT \* 日薪 \* 2  ) as 加班补发,  max(月薪) 月薪  from t4  group by EMPID, ENAME, MONTH\_ID  )  select  empid, ename, month\_id, 迟到应扣费用, 旷工应扣的费用, 早退应扣, 加班补发, 月薪,  (月薪 + 加班补发 - 迟到应扣费用 - 旷工应扣的费用) 实发  from t5  ;   commit; end;  call pro\_emp\_attendance\_salary('2023-09'); |

## 使用定时任务 job

### 目标

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| --- |
| 目标: 每个月最后一天 23点 执行运行一次 |

### 实现

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| --- |
| -- 1 每隔5秒执行 DECLARE  job\_id NUMBER; BEGIN  -- 提交 job 并执行存储过程 pro\_date  DBMS\_JOB.SUBMIT(  job\_id,  'pro\_emp\_attendance\_salary(''2019-09'');',  SYSDATE,  'sysdate + 5 / 24 / 60 / 60'  );   -- 运行 job  dbms\_job.run(job\_id);   dbms\_output.put\_line(job\_id); end;   -- 2 提交且执行 job : 每月月末 23点执行. DECLARE  job\_id NUMBER; BEGIN  -- 提交 job 并执行存储过程 pro\_date  DBMS\_JOB.SUBMIT(  job\_id,  'pro\_emp\_attendance\_salary(TO\_CHAR(ADD\_MONTHS(TRUNC(SYSDATE, ''MM''), -1), ''YYYY-MM''));',  last\_day(SYSDATE),  'TRUNC (LAST\_DAY (SYSDATE)) + 23 / 24'  );   -- 运行 job  dbms\_job.run(job\_id);   dbms\_output.put\_line(job\_id); end;  -- 3 查看 job select -- \*  job,log\_user,last\_date,next\_date,interval,what from user\_jobs;  -- 4 删除 job declare  job\_id number := 28; begin  dbms\_job.remove(job\_id);  commit; end; |

**注意1: 存储必须使用 system 的 dba运行**

**注意2: 存储过程如果没有参数, 就不能加小括号**

**注意3: 查看存储过程报错信息**

|  |
| --- |
| show errors procedure my\_procedure; |