## THỰC HÀNH BUỔI 2

11 row(s) returned

13 09:21:51 SELECT \* FROM dbms.sinhvien LIMIT 0, 1000

```
-- 5. Hàm xét tốt nghiệp trên sinh viên
 76
         DELIMITER $$
 77 •
         create procedure TotNghiep(MaSV char(8))

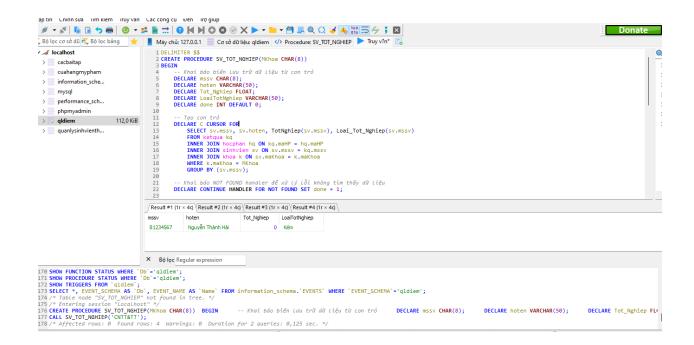
⇒ BEGIN

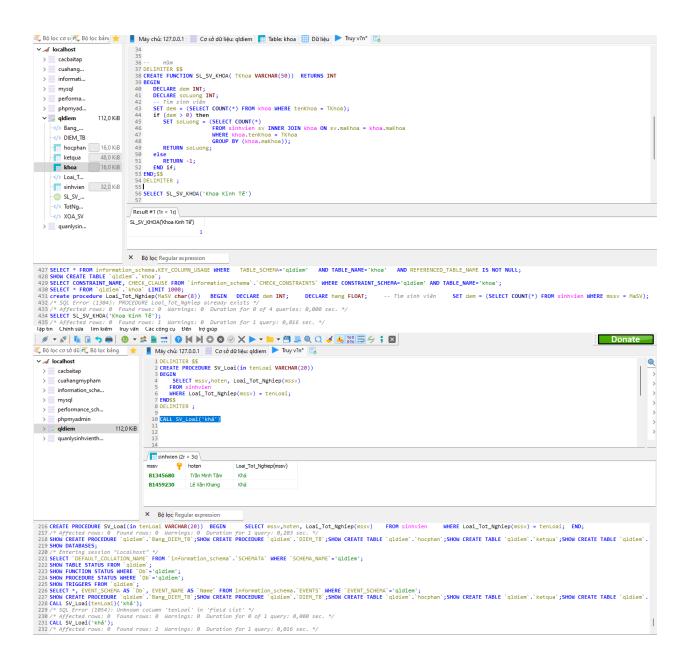
 78
             DECLARE dem INT;
 79
 80
             DECLARE hang FLOAT;
             -- Tìm sinh viên
 81
             SET dem = (SELECT COUNT(*) FROM sinhvien WHERE mssv = MaSV);
 82
 83
             if (dem > 0) then
 84
                 SET hang = (SELECT SUM(kq.diem * hq.soTinChi)/SUM(hq.soTinChi) AS DiemTrungBinh
 85
                 FROM ketqua kq INNER JOIN hocphan hq ON kq.maHP = hq.maHP
 86
                                     INNER JOIN sinhvien sv ON sv.mssv = kq.mssv
 87
                 WHERE kq.mssv = MaSV
                 GROUP BY(sv.mssv));
 88
                 if(hang > 4) then
 89
                     SELECT 'TRUE';
 90
                 else
 91
 92
                     SELECT 'FALSE';
                 END if;
 93
 94
             else
                 SFLECT '-1':
Result Grid Filter Rows:
                                     Export: Wrap Cell Content: IA
   FALSE
▶ FALSE
Result 2 ×
```

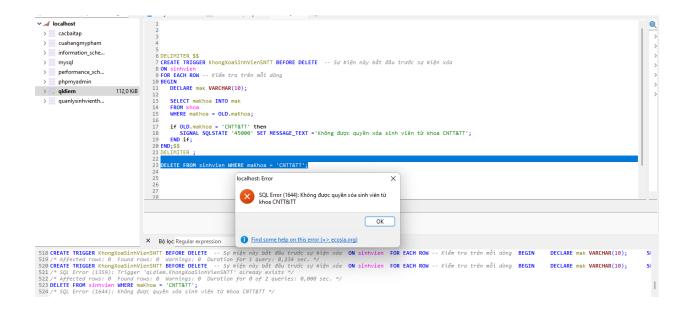
```
103
        DELIMITER $$
104 •
        create procedure Loai_Tot_Nghiep(MaSV char(8))

⊕ BEGIN

105
            DECLARE dem INT;
106
            DECLARE hang FLOAT;
107
108
            -- Tìm sinh viên
            SET dem = (SELECT COUNT(*) FROM sinhvien WHERE mssv = MaSV);
109
110
            if (dem > 0) then
                SET hang = (SELECT SUM(kq.diem * hq.soTinChi)/SUM(hq.soTinChi) AS DiemTrungBinh
111
                FROM ketqua kq INNER JOIN hocphan hq ON kq.maHP = hq.maHP
112
                                     INNER JOIN sinhvien sv ON sv.mssv = kq.mssv
113
                WHERE kq.mssv = MaSV
114
                GROUP BY(sv.mssv));
115
                if(hang >= 9 or hang <=10) then
116
                    SELECT 'Xuất sắc';
117
                ELSEIF (hang >= 8 or hang <= 8.9) then
118
                    SELECT 'Giỏi';
119
120
                ELSEIF (hang >= 6.5 or hang <= 7.9) then
                    SELECT 'Khá';
121
                ELSEIF (hang >= 5.5 or hang <= 6.5) then
122
                    SELECT 'Trung bình';
123
                ELSEIF (hang >= 4 or hang < 5.5) then
124
                     SELECT 'Yếu';
125
                ELSEIF (hang < 4) then
126
127
                     SELECT 'Kém';
128
                END if;
            else
129
130
                SELECT '-1';
            END if;
131
Result Grid Filter Rows:
                                     Export: Wrap Cell Content: IA
   Kém
  Kém
```







```
11
          # Cau 2
  12
          DELIMITER $$
  13 •
          create procedure XOA_SV(in p_mssv char(8))
  14
           declare sv_count int;
  15
  16
            select count(*) into sv_count
            from sinhvien
  17
            where mssv = p_mssv;
  18
           if sv_count > 0 then
  19
            delete from ketQua where mssv = p_mssv;
  20
            delete from sinhvien where mssv = p_mssv;
  21
          select 'Xoa Thanh Cong' as result;
  22
             else
  23
            select 'MSSV khong ton tai' as result;
  24
            end if;
  25
  26
          end;
  27
          DELIMITER;
  28
  29
          call XOA_SV('B2014946');
  30
Result Grid Filter Rows:
                                           Export: Wrap Cell Content: 1A
Xoa Thanh Cong
Result 4 ×
Output
Action Output
         Time
                  Action
                                                           Message
                                                                                                     Duration / Fetch
     14 09:32:50 create procedure XOA_SV(in p_mssv char(8)) beg... 0 row(s) affected
                                                                                                     0.016 sec
     15 09:32:50 create procedure XOA_SV(in p_mssv char(8)) beg... Error Code: 1064 You have an error in your SQL s...
   16 09:33:18 call XOA_SV('B2014946')
                                                           1 row(s) returned
                                                                                                    0.016 sec / 0.000 sec
     17 09:33:26 SELECT * FROM dbms.sinhvien LIMIT 0, 1000
                                                                                                    0.000 sec / 0.000 sec
                                                           10 row(s) returned
```

```
# Cau 3
 32
          DELIMITER $$
 33
          create procedure DIEM_TB (in p_mssv char(8), out p_diem_tb float)
  34 •
 35
          declare v_diemtb float;
  36
          set p_diem_tb = -1;
 37
  38
 39
          select avg(diem) into v diemtb
 40
          from ketQua
 41
          where mssv = p_mssv;

    if v_diemtb is not null then

 42
 43
          set p_diem_tb = v_diemtb;
 44
          end if;
 45
          end;
          DELIMITER;
 46
 47
          call DIEM_TB ('B1234567', @diem_tb);
 48
          select @diem_tb as DiemTrungBinh;
 49
  50
Export: Wrap Cell Content: IA
   DiemTrungBinh
▶ 2.5
Result 5 ×
Output
Action Output
         Time
                 Action
                                                          Message
                                                                                                   Duration / Fetch
    19 09:44:03 create procedure DIEM_TB (in p_mssv char(8), o... 0 row(s) affected
                                                                                                   0.000 sec
     20 09:44:03 create procedure DIEM_TB (in p_mssv char(8), o... Error Code: 1064 You have an error in your SQL s...
     21 09:44:15 call DIEM_TB ('B1234567', @diem_tb)
                                                          1 row(s) affected
                                                                                                   0.000 sec
     22 09:44:31 select @diem_tb as DiemTrungBinh LIMIT 0, 1000 1 row(s) returned
                                                                                                   0.000 sec / 0.000 sec
```

```
52
          # Cau 4
 53
          DELIMITER $$
          create procedure BANG_DIEM_TB (in p_makhoa char(8))
 54 •
 55
          declare khoa_count int;
 56
 57
         select count(*) into khoa_count
 58
         from khoa
 59
         where maKhoa = p_makhoa;
 60
       if khoa_count > 0 then
 61
          select sinhvien.mssv, sinhvien.hoten, avg(ketQua.diem) as diemTrungBinh
 62
 63
         from sinhvien
         inner join ketQua on sinhvien.mssv = ketQua.mssv
 64
         where sinhvien.maKhoa = p_makhoa
 65
         group by sinhvien.mssv, sinhvien.hoten;
 66
         else
 67
 68
          select 'Ma khoa khong ton tai' as result;
 69
         end if;
 70
          end;
         DELIMITER;
 71
          call BANG_DIEM_TB('CNTT&TT');
 72
Result Grid Filter Rows:
                                         Export: Wrap Cell Content: 1A
   mssv
              hoten
                               diemTrungBinh
  B1234567
             Nguyễn Thành Hải
                              2.5
   B1234568 Trần Thanh Mai
                              8.5
   B1234569 Trần Thu Thủy
   B1345678 Trần Hồng Trúc
                              6
  B1345679 Bùi Hoàng Yến
Result 6 ×
Output
Action Output
                                                          Message
                                                                                                   Duration / Fetch
    23 10:13:12 create procedure BANG_DIEM_TB (in p_makhoa... Error Code: 1064. You have an error in your SQL s... 0.000 sec
  24 10:14:01 create procedure BANG_DIEM_TB (in p_makhoa... 0 row(s) affected
     25 10:14:01 create procedure BANG_DIEM_TB (in p_makhoa... Error Code: 1064 You have an error in your SQL s...
     26 10:14:10 call BANG_DIEM_TB('CNTT&TT')
                                                                                                  0.000 sec / 0.000 sec
                                                         5 row(s) returned
```