PACKAGE SPEC:

```
PACKAGE swkmadv IS
 TYPE swkmadv_rec is
  RECORD (student_id          spriden.spriden_id%TYPE,
              student_name         varchar2(30),
              degc_code            sgbstdn.sgbstdn_degc_code_1%TYPE,
              maj_desc             stvmajr.stvmajr_desc%TYPE,
              conc_desc            stvmajr.stvmajr_desc%TYPE,
              advisor_id           spriden.spriden_id%TYPE,
              advisor_name         varchar2(30));

 -- for the DML - a table of records
 TYPE swkmadv_table
  IS TABLE OF swkmadv_rec
    INDEX BY PLS_INTEGER;

 PROCEDURE swkmadv_query(p_majadv_qry IN OUT swkmadv_table,
             run_term IN varchar2,
             run_dept IN varchar2);
END;
```

PACKAGE BODY:

```
PACKAGE BODY swkmadv IS
 PROCEDURE swkmadv_query(p_majadv_qry IN OUT swkmadv_table,
             run_term IN varchar2,
             run_dept IN varchar2)
 IS
  ii NUMBER;

  CURSOR swkmadv_select IS
    select b.spriden_id,
        b.spriden_last_name||', '||b.spriden_first_name,
        a.sgbstdn_degc_code_1,
        c.stvmajr_desc,
        d.stvmajr_desc,
        e.spriden_id,
        (case when e.spriden_last_name is not null then
          (rtrim(e.spriden_last_name)||', '||rtrim(e.spriden_first_name)) end)
     from sgbstdn a, spriden b, stvmajr c, stvmajr d, sgradvr, spriden e
     where a.sgbstdn_dept_code = run_dept
```

```sql
        and a.sgbstdn_term_code_eff = (select max(f.sgbstdn_term_code_eff)
                         from sgbstdn f
                         where f.sgbstdn_pidm = a.sgbstdn_pidm
                          and f.sgbstdn_term_code_eff <= run_term)
        and a.sgbstdn_levl_code = 'UG'
        and a.sgbstdn_majr_code_1 = c.stvmajr_code
        and a.sgbstdn_majr_code_conc_1 = d.stvmajr_code(+)
        and b.spriden_pidm = a.sgbstdn_pidm
        and b.spriden_change_ind is null
        and sgradvr_pidm(+) = a.sgbstdn_pidm
        and sgradvr_term_code_eff (+) = run_term
        and sgradvr_advr_code(+) = 'MAJR'
        and e.spriden_pidm(+) = sgradvr_advr_pidm
        and e.spriden_change_ind is null;

BEGIN
  OPEN swkmadv_select;
  ii:=1;
    LOOP
     FETCH swkmadv_select
      INTO
        p_majadv_qry(ii).student_id,
        p_majadv_qry(ii).student_name,
        p_majadv_qry(ii).degc_code,
        p_majadv_qry(ii).maj_desc,
        p_majadv_qry(ii).conc_desc,
        p_majadv_qry(ii).advisor_id,
        p_majadv_qry(ii).advisor_name;
      EXIT when swkmadv_select%NOTFOUND;
     ii := ii + 1;
    END LOOP;
  END;
END;
```