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*STEP 0 ;
/*1. Program Name:donate.sas

                                                                    */
/* Program Location: C:\Users\vigupta\OneDrive\Learning\DataScience\Statistics Texas A&M
University\657\Homework\Assignment10\donate.sas                */
/* Date Created: 4/2/17

                                                                    */
/* Author: Vivek Kumar Gupta

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/* Purpose:To list out donors based on input parameters      library,gender,startdate,enddate, Sample call:
%donate(work, female, 01Jan1996, 31Dec2005);                */
/*****
*****/
libname orion 'C:\Users\vigupta\OneDrive\Learning\DataScience\Statistics Texas A&M University\657\SQL
Files' access=readonly;

/*STEP 1. Create the macro as instructed*/

%macro donate(library,gender,startdate,enddate);
proc sql;
create table &library..%sysfunc(propcase(&gender))%substr(&startdate,6)
as
select ep.employee_id label = 'ID'
      ,edd.employee_name label = 'Name'
      , ep.salary format dollar8.
      ,ed.Qtr1
      ,ed.Qtr2
      ,ed.Qtr3
      ,ed.Qtr4
      ,sum(ed.Qtr1,ed.Qtr2,ed.Qtr3,ed.Qtr4) as tot_donation label = 'Ann. Donation'
from orion.employee_payroll as ep
join orion.employee_addresses as edd
    on ep.employee_id=edd.employee_id
left join orion.employee_donations as ed
    on ep.employee_id=ed.employee_id
where ep.employee_gender="%upcase(%substr(&gender,1,1))"
      and not ep.employee_term_date
      and ep.employee_hire_date between "&startdate"d and "&enddate"d
order by employee_id
;
title "Donations of %sysfunc(propcase(&gender)) Employees Hired between &startdate and &enddate";

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footnote %upcase(&syslast);  
select * from &library..%sysfunc(propcase(&gender))%substr(&startdate,6);
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quit;  
title;  
footnote;  
%mend donate;
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/*House keeping. Resetting defaults*/  
title;  
footnote;
```