

Credentials Randomization for Automated Email from SAS

Presented by Irvin Snider



How to Automate Your Bragging

Presented by

Irvin Snider FALU, CEBS, CLU®,
ChFC®, FLMI, REBC®, RHU®, FLHC,
AIAA, AIRC, ARP, RPA, ACS, AIT, HIA



Designations

- FALU
- CEBS
- ChFC®
- CLU®
- FLMI
- Fellow, Academy of Life Underwriting
- Certified Employee Benefit Specialist
- Chartered Financial Consultant
- Chartered Life Underwriter
- Fellow, Life Management Institute

Designations Continued

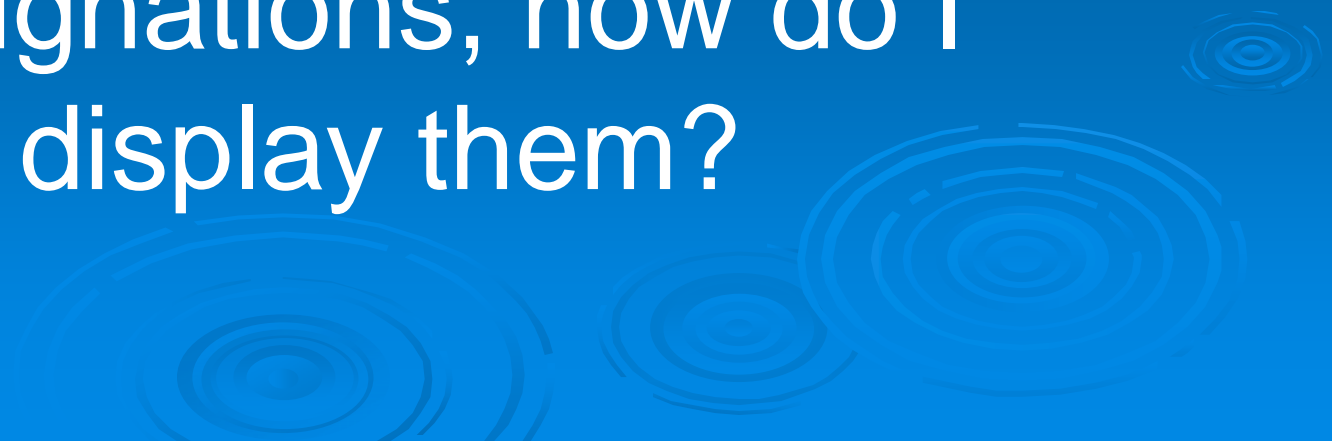
- REBC®
- RHU®
- FLHC
- AIAA
- AIRC
- Registered Employee Benefit Consultant
- Registered Health Underwriter
- Fellow, Life and Health Claims
- Associate, Insurance Agency Administration
- Associate, Insurance Regulation and Compliance

Designations Finale

- ARP
- RPA
- ACS
- AIT
- HIA
- Associate, Research and Planning
- Retirement Plan Associate
- Associate, Customer Service
- Associate, Insurance Technology
- Health Insurance Associate

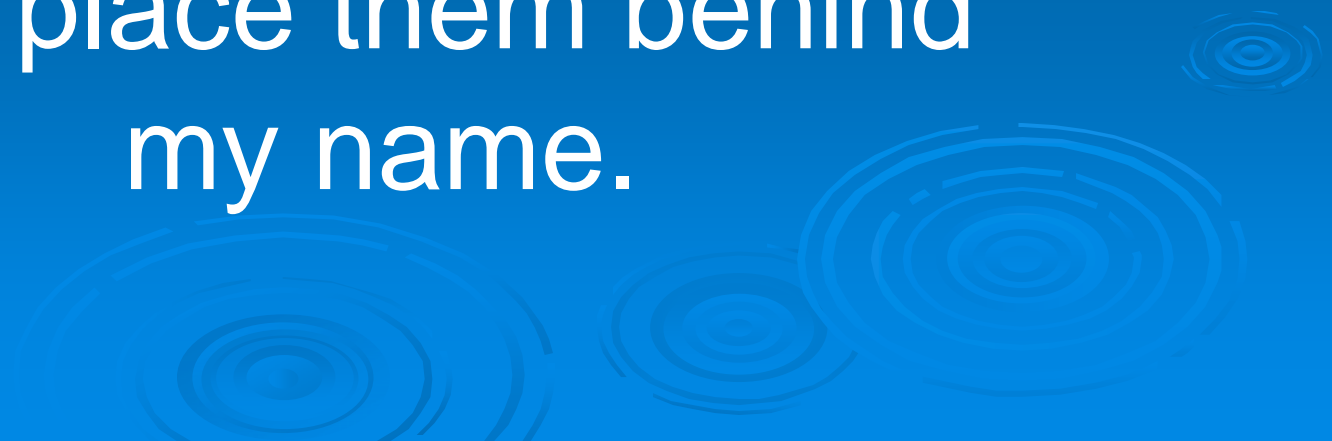
The Problem

Having earned fifteen professional insurance designations, how do I display them?

The background of the slide is a solid blue color. In the bottom right corner, there are several faint, concentric circles that resemble ripples in water, adding a decorative element to the design.

The Solution

Have SAS randomly
select five designations
and place them behind
my name.




The Method

- Create WORK data set containing the designations
- Randomly select five designations
- Place the five designations in five macro variables
- Call the macro variables in the body of the email


```
data work.designs;  
input name      $ 1-4;  
datalines;  
FALU  
CEBS  
CLU  
ChFC  
FLMI  
REBC  
RHU  
FLHC  
AIAA  
AIRC  
ARP  
RPA  
ACS  
AIT  
HIA  
;  
run;
```

```
data work.rsubset_s_replace;  
  sampsize=5;  
  obsleft=totobs;  
  do while(sampsize>0);  
    pickit+1;  
    if ranuni(0)<sampsize/obsleft then  
      do;  
        set work.designs point=pickit  
        nobobs=totobs;  
        output;  
        sampsize=sampsize-1;  
      end;  
      obsleft=obsleft-1;  
    end;  
  end;  
stop;
```



Adobe Acrobat Reader toolbar: Edit, View, Insert, Format, Tools, Table, Window, Help, Adobe PDF, Acrobat Comments. Search: Type a question for help. Zoom: 100%. Font: 12, Bold, Italic, Underline.

SAS Enterprise Guide window: T:\MKTG\Rate Implementation\SAS jobs\Development_Irv\Development_email_ods\signature_dev8.sas (WORK.RSUBSET).


SAS Enterprise Guide toolbar: File, Edit, View, Code, Data, Describe, Graph, Analyze, OLAP, Add-In, Tools, Window, Help.

SAS Enterprise Guide window: signature_dev8.sas, WORK.RSUBSET_S_REPLACE (read-only).

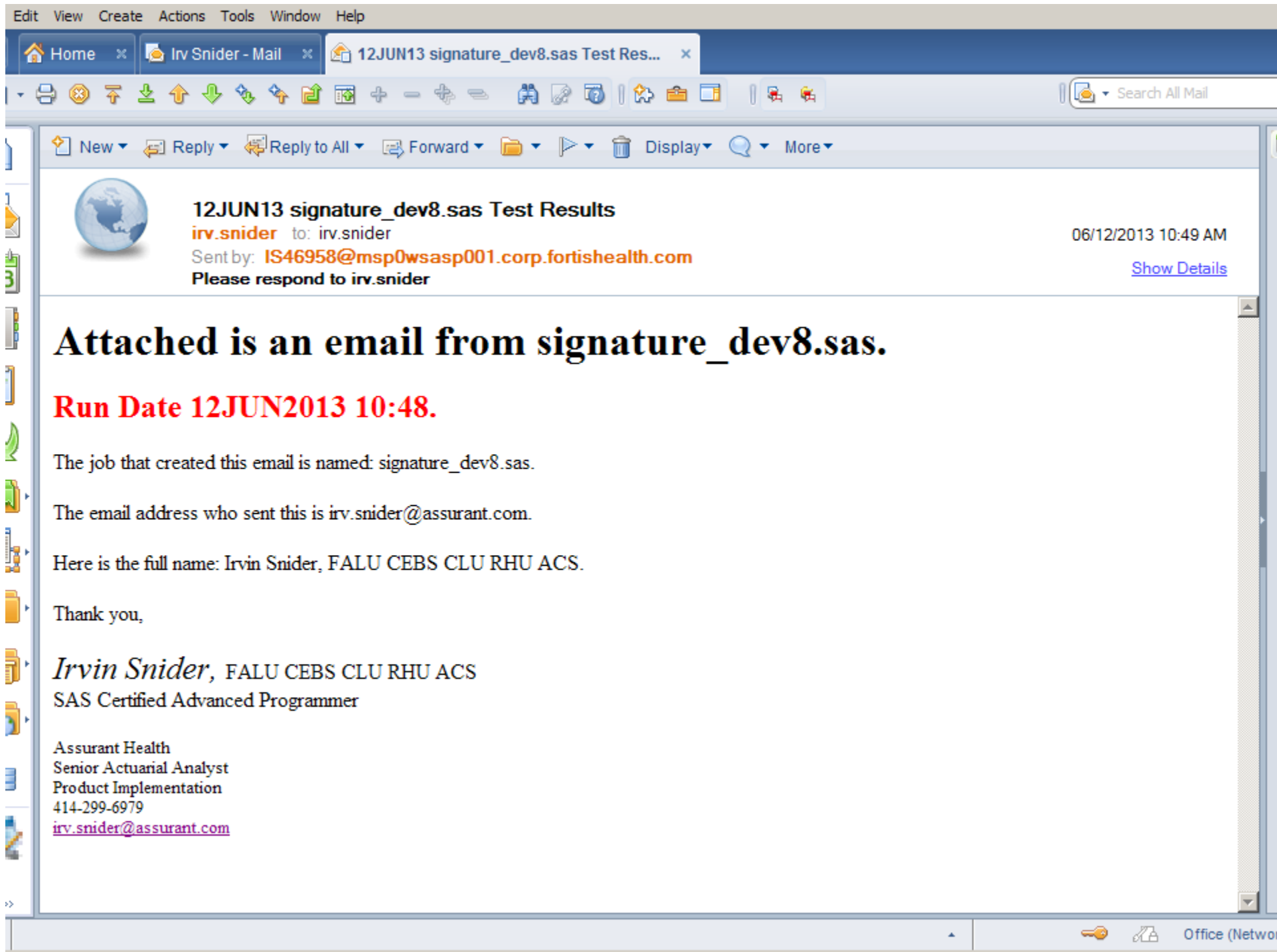
	sampsize	obsleft	name
1	5	12	ChFC
2	4	7	AIAA
3	3	5	ARP
4	2	4	RPA
5	1	2	AIT

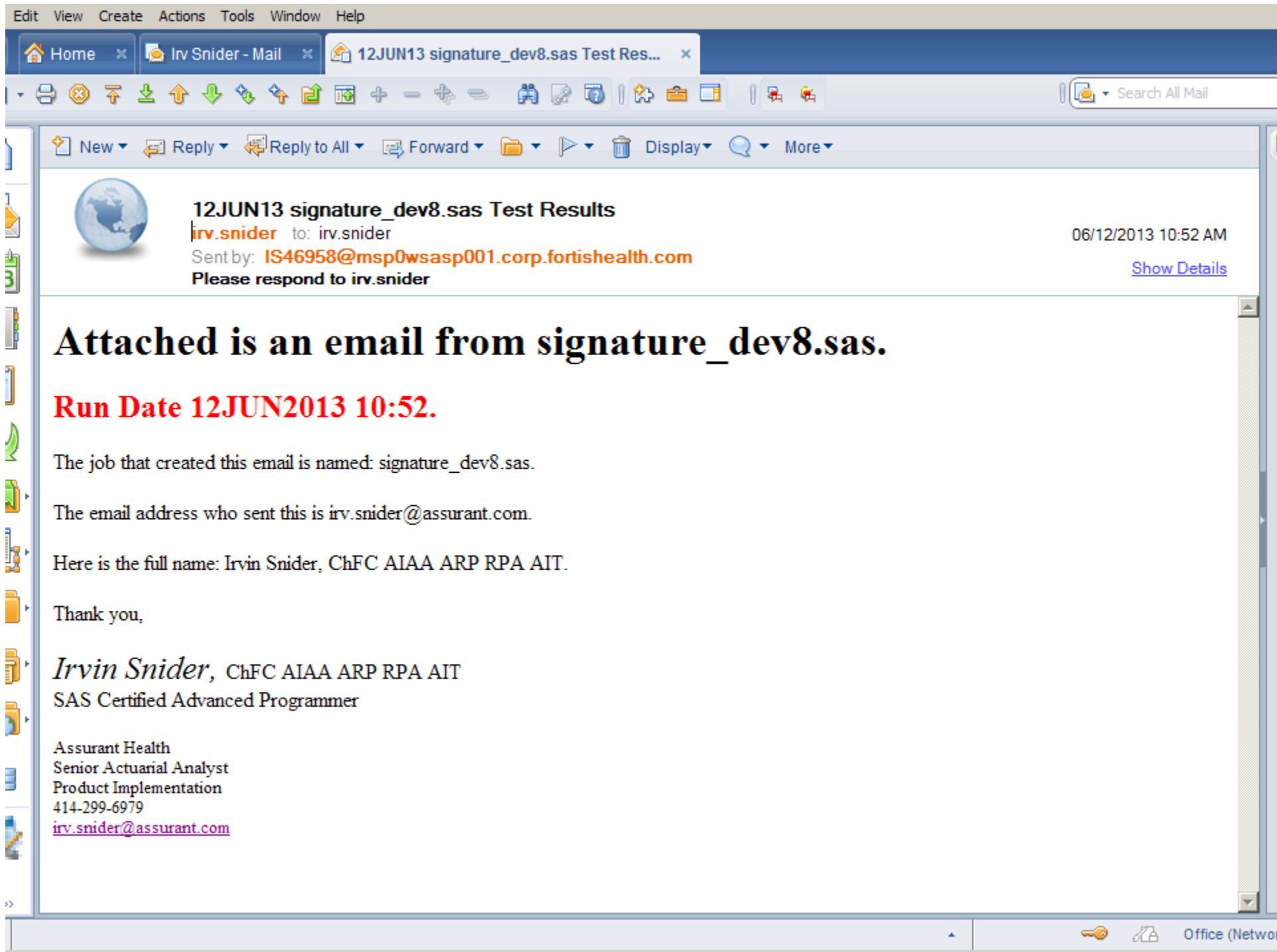
Bottom toolbar: AutoShapes, drawing tools, text tools, navigation tools. Status bar: 1, Sec 1, 1/1, At 1", Ln 1, Col 1, REC, TRK, EXT, OVR.

```
data _null_;  
    set work.rsubset_s_replace;  
    do i = 1 to 5;  
        if i = _n_ then  
            do;  
                call symput('ename' || left(trim(put(_n_, 1.))), name);  
            end;  
        end;  
    end;  
run;
```



```
%macro IS_signature;  
put '<br> </br>';  
put '<i>';  
put '<font size="5" color="black">';  
put 'Irvin Snider, ';  
put '</i>';  
put '<font size="3.25" color="black">';  
put '&ename1 &ename2 &ename3 &ename4 &ename5';  
put '<font size="3" color="black">';  
put '</br>';  
put 'SAS Certified Advanced Programmer';  
put '<br></br>';  
put '<font size="2.5" color="black">';  
put 'Assurant Health';  
put '</br> ';  
put 'Senior Actuarial Analyst';  
put '</br> ';  
put 'Product Implementation';  
put '</br> ';  
put '414-299-6979';  
put '</br> ';  
put '<a  
    href="mailto:irv.snider@assurant.com">irv.snider@assurant.com</a>';  
put '</br> </br>';  
%mend IS_signature;
```





Thank you

Irvin Snider FALU, CEBS,
CLU®, ChFC®, FLMI, REBC®,
RHU®, FLHC, AIAA, AIRC, ARP,
RPA, ACS, AIT, HIA, RIP😊

