

SAS Character Functions

```

data t;
  input c $6. E $8-10 ;
cards;
dc bc  SS
s dcs  AA
adcaa a  AA
ww dd  BB
s dddf  DD
s f f  SS
;
DATA T1;
  SET T;
X= COMPRESS(C)||COMPRESS(E);
up=upcase(c);
u=PROPCASE(e);
find=find(c,"dc",3);
findc=findc(c,"dc",3);
index=index(c,"dc");
indexc=indexc(c,"dc");
indexw=indexw(c,"dc");
scan=scan(c,1);
str=substr(c,1,5);
lenc=length(c);
lene=length(e);
tranc=translate(c,"3","dc");
trane=translate(e,"5","S");
run;quit;
PROC PRINT DATA=T1;
  var c e x up u;
RUN;
PROC PRINT DATA=T1;
  var c e find findc scan;
RUN;;
PROC PRINT DATA=T1;
  var c e index indexc indexw;
RUN;
PROC PRINT DATA=T1;
  var c e lenc lene;
RUN;
PROC PRINT DATA=T1;
  var c e tranc trane;
RUN;

```

Results

Obs	c	E	X	up	u
1	dc bc	SS	dcbcSS	DC BC	Ss
2	s dcs	AA	sdcsAA	S DCS	Aa
3	adcaa	A	adcaaA	ADCAA	A
4	ww dd	BB	wwddBB	WW DD	Bb
5	s dddf	DD	sdddfDD	S DDDF	Dd
6	s f f	SS	sffSS	S F F	Ss

Obs	c	E	find	findc	scan
1	dc bc	SS	0	5	dc
2	s dcs	AA	3	3	s
3	adcaa	A	0	3	adcaa
4	ww dd	BB	0	4	ww
5	s dddf	DD	0	3	s
6	s f f	SS	0	0	s

Obs	c	E	index	indexc	indexw
1	dc bc	SS	1	1	1
2	s dcs	AA	3	3	0
3	adcaa	A	2	2	0
4	ww dd	BB	0	4	0
5	s dddf	DD	0	3	0
6	s f f	SS	0	0	0

Obs	c	E	lenc	lene
1	dc bc	SS	5	2
2	s dcs	AA	5	2
3	adcaa	A	5	1
4	ww dd	BB	5	2
5	s dddf	DD	6	2
6	s f f	SS	5	2

Obs	c	E	tranc	trane
1	dc bc	SS	3 b	55
2	s dcs	AA	s 3 s	AA
3	adcaa	A	a3 aa	A
4	ww dd	BB	ww 33	BB
5	s dddf	DD	s 333f	DD
6	s f f	SS	s f f	55