

SAS Date Functions & Formats

```

data t;
  input date $6. b $8.;
cards;
SEP/00 01/11/99
NOV/02 02/04/03
OCT/02 02/05/03
DEC/03 02/06/03
JAN/05 02/07/03
;

dATA T1;
  SET T;

date0=input(b,mmddyy8.);
DATE1=input(compress(date,'/'),monyy5.);
date2=put(input(compress(date,'/'),monyy5.),mmddyy8.);
date3=intnx("Month",input(date2,mmddyy8.),-4);
date4=intnx("Month",input(date2,mmddyy8.),8);
DATE6=input(date0,$8.);
wkday=weekday(date0);
day=put(date0,WEEKDATX9.);
LAGM=INTCK("MONTH",DATE0,DATE1);
LAGW=INTCK("DAY",DATE0,DATE1);
LAGD=INTCK("DAY",DATE0,DATE1);
  run;
proc print data=t1;
VAR DATE B DATE0 DATE1 DATE2;
  format DATE0 mmddyy8. date1 monyy5.;
run;
proc print data=t1;
VAR DATE B DATE3 DATE4 ;
  format DATE4 date3 mmddyy8. ;
run;
proc print data=t1;
VAR DATE B DATE0 DATE6 WKDAY DAY ;
  format DATE0 mmddyy8. ;
run;
proc print data=t1;
VAR DATE0 DATE1 LAGM LAGW LAGD ;
  format DATE0 DATE1 mmddyy8. ;
run;

```

Results

Obs	date	b	date0	DATE1	date2
1	SEP/00	01/11/9	01/11/09	SEP00	09/01/00
2	NOV/02	02/04/0	02/04/00	NOV02	11/01/02
3	OCT/02	02/05/0	02/05/00	OCT02	10/01/02
4	DEC/03	02/06/0	02/06/00	DEC03	12/01/03
5	JAN/05	02/07/0	02/07/00	JAN05	01/01/05

Obs	date	b	date3	date4
1	SEP/00	01/11/9	05/01/00	05/01/01
2	NOV/02	02/04/0	07/01/02	07/01/03
3	OCT/02	02/05/0	06/01/02	06/01/03
4	DEC/03	02/06/0	08/01/03	08/01/04
5	JAN/05	02/07/0	09/01/04	09/01/05

Obs	date	b	date0	DATE6	wkday	day
1	SEP/00	01/11/9	01/11/09	1	1	Sunday
2	NOV/02	02/04/0	02/04/00	1	6	Friday
3	OCT/02	02/05/0	02/05/00	1	7	Saturday
4	DEC/03	02/06/0	02/06/00	1	1	Sunday
5	JAN/05	02/07/0	02/07/00	1	2	Monday

Obs	date0	DATE1	LAGM	LAGW	LAGD
1	01/11/09	09/01/00	-100	-3054	-3054
2	02/04/00	11/01/02	33	1001	1001
3	02/05/00	10/01/02	32	969	969
4	02/06/00	12/01/03	46	1394	1394
5	02/07/00	01/01/05	59	1790	1790