

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s1d01   ***;
dm "output;clear;log;clear";

Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";
proc print data=Course2.growth; run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
data forecast;
  drop NumEmps;
  set Course2.growth;
  Year=1;
  NewTotal=NumEmps*(1+Increase);
  output;
  Year=2;
  NewTotal=NewTotal*(1+Increase);
  output;
  Year=3;
  NewTotal=NewTotal*(1+Increase);
  output;
run;

proc print data=forecast noobs;
  title 'Explicit output using the OUTPUT statement';
  format NewTotal 6.;
run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s2d01   ***;
dm "output;clear;log;clear";

Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";

proc print data=Course2.military; run;
proc print data=Course2.military noobs;
  var Code Type;
run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
data army navy airforce marines;
  drop Type;
  set Course2.military;
  if Type eq 'Army' then
    output army;
  else if Type eq 'Naval' then
    output navy;
  else if Type eq 'Air Force' then
    output airforce;
```

```
    else if Type eq 'Marine' then
        output marines;
run;

proc print data=marines noobs;
    title 'Air Stations maintained by the US Marine Corps';
run;

* ... ;
proc print data=army noobs;
    title 'Air Stations maintained by the US Army';
run;

proc print data=Navy noobs;
    title 'Air Stations maintained by the US Navy';
run;

proc print data=airforce noobs;
    title 'Air Stations maintained by the US Air Force';
run;

*-----1-----2-----3-----4-----5-----6-----+-----;
***   c02s3d01   ***;
dm "output;clear;log;clear";

Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";

proc contents data=Course2.military;
run;

data army navy airforce marines;
    drop Type;
    set Course2.military;
    if Type eq 'Army' then
        output army;
    else if Type eq 'Naval' then
        output navy;
    else if Type eq 'Air Force' then
        output airforce;
    else if Type eq 'Marine' then
        output marines;
run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;  
***  c02s3d02  ***;  
dm "output;clear;log;clear";
```

```
Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";
```

```
data army(drop=City State Country Type)  
  navy(drop=Type)  
  airforce(drop=Code Type)  
  marines;  
set Course2.military;  
if Type eq 'Army' then  
  output army;  
else if Type eq 'Naval' then  
  output navy;  
else if Type eq 'Air Force' then  
  output airforce;  
else if Type eq 'Marine' then  
  output marines;  
run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;  
***  c02s3d03  ***;  
dm "output;clear;log;clear";
```

```
Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";
```

```
data army(keep=Code Airport)  
  navy(keep=Code Airport City State Country)  
  airforce(keep=Airport City State Country)  
  marines;  
set Course2.military;  
if Type eq 'Army' then  
  output army;  
else if Type eq 'Naval' then  
  output navy;  
else if Type eq 'Air Force' then  
  output airforce;  
else if Type eq 'Marine' then  
  output marines;  
run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s3d04   ***;

data army(keep=Code Airport);
  set Course2.military(drop=City State Country);
  if Type eq 'Army' then output;
run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s3d05   ***;

data army;
  set Course2.military(firstobs=11 obs=25);
  if Type eq 'Army' then output;
run;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s4d01   ***;
dm "output;clear;log;clear";

Libname Course2 "C:\_SasCourse2006\Course2\SAS_Data";
ods csvall file='C:\_SasCourse2006\Course2\SAS_Data\export.dat';

footnotel 'data: Course2.maysales';

proc print noobs data=Course2.maysales;
  format ListDate
         SellDate date9.;
run;

ods csvall close;

*---+---1---+---2---+---3---+---4---+---5---+---6---+---;
***   c02s4d02   ***;

data _null_;
  set Course2.maysales;
  file 'export.dat'; * PC and Unix;
  *file '.Course2.rawdata(export)'; * z/OS;
  put Description
     ListDate : date9.
     SellDate : date9.
     SellPrice;
run;
```

```
proc fslist fileref='export.dat'; * PC and Unix;
*proc fslist fileref='.Course2.rawdata(export)'; * z/OS;
run;
proc fslist fileref='C:\_SasCourse2006\Course2\SAS_Data\export.dat';
run;

*---+----1----+----2----+----3----+----4----+----5----+----6----+----;
***   c02s4d03   ***;

data _null_;
  set Course2.maysales;
  file 'export.dat'; * PC and Unix;
  *file '.Course2.rawdata(export)'; * z/OS;
  if _N_=1 then
    put 'Description ListDate SellDate SellPrice';
  put Description
    ListDate : date9.
    SellDate : date9.
    SellPrice;
run;

proc fslist fileref='export.dat'; * PC and Unix;
*proc fslist fileref='.Course2.rawdata(export)'; * z/OS;
run;

*---+----1----+----2----+----3----+----4----+----5----+----6----+----;
***   c02s4d04   ***;

data _null_;
  set Course2.maysales end=IsLast;
  file 'export.dat'; * PC and Unix;
  *file '.Course2.rawdata(export)'; * z/OS;
  if _N_=1 then
    put 'Description ListDate SellDate SellPrice';
  put Description
    ListDate : date9.
    SellDate : date9.
    SellPrice;
  if IsLast=1 then
    put 'Data: Course2.MAYSALES';
run;

proc fslist fileref='export.dat'; * PC and Unix;
*proc fslist fileref='.Course2.rawdata(export)'; * z/OS;
run;
```

```
*---+---1---+---2---+---3---+---4---+---5---+---6---+---;  
***   c02s4d05   ***;
```

```
data _null_;  
  set Course2.maysales end=IsLast;  
  file 'export.dat' dlm=','; * PC and Unix;  
  *file '.Course2.rawdata(export)'; * z/OS;  
  if _N_=1 then  
    put 'Description,ListDate,SellDate,SellPrice';  
  put Description  
    ListDate : date9.  
    SellDate : date9.  
    SellPrice;  
  if IsLast=1 then  
    put 'Data: Course2.MAYSALES';  
run;  
  
proc fslist fileref='export.dat'; * PC and Unix;  
*proc fslist fileref='.Course2.rawdata(export)'; * z/OS;  
run;
```