

## **\_Null\_ REPORTING (Datastep Reporting)**

**\_Null\_** It executes data step but won't create a dataset.

**File** Writes the contents of a window to an external file.  
Specify location to write information from SAS to external file.

**PUT** Writes line(data) in external file for specified columns..

**Data** My\_SAS.wghtclub;

**Infile** Datalines;

**Input** idno 1-4 name \$ 6-24 team \$ strtwght endwght;

Loss=strtwght-endwght;

**Datalines;**

1023	David Shaw	red	189	165
1049	Amelia Serrano	yellow	145	124
1219	Alan Nance	red	210	192
1246	Ravi Sinha	yellow	194	177
1078	Ashley McKnight	red	127	118
1221	Jim Brown	yellow	220	.
1095	Susan Stewart	blue	135	127
1157	Rose Collins	green	155	141
1331	Jason Schock	blue	187	172
1067	Kanoko Nagasaka	green	135	122
1251	Richard Rose	blue	181	166
1333	Li-Hwa Lee	green	141	129
1192	Charlene Armstrong	yellow	152	139
1352	Bette Long	green	156	137
1262	Yao Chen	blue	196	180
1087	Kim Blackburn	red	148	135
1124	Adrienne Fink	green	156	142
1197	Lynne Overby	red	138	125
1133	John VanMeter	blue	180	167
1036	Becky Redding	green	135	123
1057	Margie Vanhoy	yellow	146	132
1328	Hisashi Ito	red	155	142
1243	Deanna Hicks	blue	134	122
1177	Holly Choate	red	141	130
1259	Raoul Sanchez	green	189	172
1017	Jennifer Brooks	blue	138	127
1099	Asha Garg	yellow	148	132
1329	Larry Goss	yellow	188	174

;

**Run;**

### Example (1):-

**Data \_null\_;**

File 'E:\SAS\OUTPUT\DATASTEP\_REPORT\Weight\_Club1.rtf' Linesize=200;

Put @2 'EMP\_ID' @10 'EMP\_NAME' @30 'TEAM' @42 'STRTWGHT' @55 'ENDWGHT';

**Run;**

### Example (2):-

**Data \_null\_;**

File 'E:\SAS\OUTPUT\DATASTEP\_REPORT\Weight\_Club2.rtf' Linesize=200;

Put @2 'EMP\_ID' @10 'EMP\_NAME' @30 'TEAM' @42 'STRTWGHT' @55 'ENDWGHT';

**Run;**

**Data \_null\_;**

Set My\_SAS.wghtclub;

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club2.rtf' Linesize=200 mod;

put @2 idno @10 name @30 team @42 strtwght @55 endwght;

**Run;**

### Example (3):-

**Data \_null\_;**

d=today ();

t=time ();

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club3.rtf' Linesize=200;

Put ' ';

Put ' ';

Put @2 'REQUEST # I11796-S' @35 'NEERU TECHNOLOGIES' @70 "PAGE 1 ";

Put @2 'RUN DATE:' d ddmmyys10. @31 'INFORMATION CENTER REQUEST'  
@70 'RUNTIME:' t time8.;

Put ' ';

Put ' ';

**Run;**

**Data \_null\_;**

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club3.rtf' Linesize=200 mod;

Put @2 'EMP\_ID' @10 'EMP\_NAME' @30 'TEAM' @42 'STRTWGHT' @55 'ENDWGHT';

**Run;**

**Data \_null\_;**

Set My\_SAS.wghtclub;

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club3.rtf'

Linesize=200 mod;

put @2 idno @10 name @30 team @42 strtwght @55 endwght;

**Run;**

#### Example (4):-

```

Data _null_;
d=today ();
t=time ();
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club4.rtf' Linesize=200;
Put ' ';
Put ' ';
Put @2 'REQUEST # I11796-S' @35 'NEERU TECHNOLOGIES' @70 "PAGE 1 ";
Put @2 'RUN DATE:' d ddmmyys10. @31 'INFORMATION CENTER REQUEST'
                                @70 'RUNTIME:' t time8. ;

Put ' ';
Put ' ';
Put ' ';
Run;

Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club4.rtf'
Linesize=200 mod;
Put @2 'EMP_ID' @10 'EMP_NAME' @30 'TEAM'
    @42 'STRTWGHT' @55 'ENDWGHT';
PUT ' ';
Run;

Data _null_;
Set My_SAS.wghtclub;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club4.rtf'
Linesize=200 mod;
Put @2 idno @10 name @30 team
    @42 strtwght @55 endwght;
Run;

Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club4.rtf'
Linesize=200 mod;
Put;
Put;
Put;
Put @2 '*****END OF REPORT *****';
Put @2 '*****GENERATED BY Mr.KRISHNA *****';
Run;

```

### Example (5):-

**Data \_null\_;**

d=today ();

t=time ();

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club5.rtf' Linesize=200;

Put ' ';

Put ' ';

Put @2 'REQUEST # I11796-S' @35 'NEERU TECHNOLOGIES' @70 "PAGE 1 ";

Put @2 'RUN DATE:' d ddmmyys10. @31 'INFORMATION CENTER REQUEST'  
@70 'RUNTIME:' t time8. ;

Put ' ';

Put ' ';

Put ' ';

**Run;**

**Data \_null\_;**

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club5.rtf' Linesize=200 mod;

Put @2 'EMP\_ID' @10 'EMP\_NAME' @30 'TEAM' @42 'STRTWGHT' @55 'ENDWGHT';

PUT ' ';

**Run;**

**Proc sort data=My\_SAS.wghtclub;**

**By team;**

**Run;**

**Data \_null\_;**

**Set wghtclub;**

**By team;**

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club5.rtf' Linesize=200 mod;

put @2 idno @10 name @30 team @42 strtwght @55 endwght;

If first.team then do;

sw=0;

ew=0;

End;

sw+strtwght;

ew+endwght;

if last.team then do;

put @2 "TOTAL" @42 sw @55 ew;

end;

**Run;**

**Data \_null\_;**

File 'E:\SAS\TARGET\_DATA\DATASTEP\_REPORT\Weight\_Club5.rtf'

Linesize=200 mod;

```
Put;
Put;
Put;
Put @2 '*****END OF REPORT *****';
Put @2 '*****GENERATED BY Mr.KRISHNA *****';
```

#### Example (6):-

```
Data _null_;
d=today ();
t=time ();
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club6.rtf' Linesize=200;
Put ' ';
Put ' ';
Put @2 'REQUEST # I11796-S' @35 'NEERU TECHNOLOGIES' @70 "PAGE 1 ";
Put @2 'RUN DATE:' d ddmmyys10. @31 'INFORMATION CENTER REQUEST'
@70 'RUNTIME:' t time8.;

Put ' ';
Put ' ';
Put ' ';
Run;

Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club6.rtf' Linesize=200 mod;
Put @2 'EMP_ID' @10 'EMP_NAME' @30 'TEAM' @42 'STRTWGHT' @55 'ENDWGHT';
PUT ' ';
Run;

Proc sort data=My_SAS.wghtclub;
By team;
Run;

Data _null_;
Set wghtclub;
By team;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club6.rtf'
Linesize=200 mod;
put @2 idno @10 name @30 team @42 strtwght @55 endwght;
If first.team then do;
sw=0;
ew=0;
End;
sw+strtwght;
ew+endwght;
if last.team then do;
```

```

put @2 "TOTAL" @42 sw @55 ew;
end;
Run;

Proc sql noprint;
Select sum(strtwght) into:gs w from wghtclub;
Select sum(endwght) into:ge w from wghtclub;
Quit;
%put &gs w.;
%put &ge w.;

Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club6.rtf'
Linesize=200 mod;
Put;
put @2 "Grand total" @42 "&gs w" @55 "&ge w" ;
Put;
Put;
Put @2 '*****END OF REPORT *****';
Put @2 '*****GENERATED BY Mr.KRISHNA *****';
Run;

```

#### Example (7):-

```

Proc sql noprint;
Select distinct (team) into: empvar separated by ' ' from My_SAS.wghtclub;;
Quit; /*--created empvar macro--*/
%put &empvar.;

%macro loop(dname,var);
%global i;
%let i=1;
%let evar=%scan(&empvar,&i,%str ( ));
/*
Created i and evar macro here if
Evar=1 it will pick blue colour and gives subtotal when it comes ". then its goes another
group by value means another team
*/
%do %while(&evar ne);
Data _null_;
d=today ();
t=time ();
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club7.rtf' Linesize=200 mod;
put ' ';

```

```
put ' ';
Put @2 'REQUEST # I11796-S' @35 'NEERU TECHNOLOGIES' @70 "PAGE 1 ";
Put @2 'RUN DATE:' d ddmmyys10. @31 'INFORMATION CENTER REQUEST'
@70 'RUNTIME:' t time8.;
```

```
put ' ';
put ' ';
put ' ';
put @2 'NPD VOLUMES BY GROUP NUMBER - DAYS IN HOUSE';
put @2 'SUMMARY REPORT';
put ;
put ;
Run;
```

```
Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club7.rtf' Linesize=200 mod;
put @2 'idno' @10 'name' @30 'team' @42 'strtwght' @55 'endwght';
Run;
```

```
Data _null_;
Set &lname;
Where &var="&evvar";
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club7.rtf' line size=200 mod;
put @2 idno @10 name @30 team @42 strtwght @55 endwght;
Run;
```

```
Proc sql noprint;
Select sum (strtwght) into:ssw from &lname where &var="&evvar";
Select sum (endwght) into:ses from &lname where &var="&evvar";
Quit;
```

```
Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club7.rtf'
Linesize=200 mod;
put @2 "TOTAL &evvar" @42 "&ssw" @55 "&ses";
Run;
```

```
%let i=%eval(&i+1);
%let evvar=%scan(&empvar,&i,%str ( ));
%end;
%mend;
%loop(wghtclub,team);
```

```
Proc sql noprint;
Select sum (strtwght) into:gsw from My_SAS.wghtclub;
Select sum (endwght) into:gew from My_SAS.wghtclub;
Quit;
```

```
%put &gsw.;
%put &ges.;

Data _null_;
File 'E:\SAS\TARGET_DATA\DATASTEP_REPORT\Weight_Club7.rtf'
Linesize=200 mod;
put;
put @2 "Grand total" @42 "&gsw" @55 "&ges";
put;
put;
put @2 '*****END OF REPORT *****';
put @2 '*****GENERATED BY Mr.KRISHNA *****';
Run;
```