

SAS Interview Questions And Answers Guide.



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SAS Job Interview Preparation Guide.

Question # 1

How to CREATE an external dataset with sas code?

Answer:-

I thought about sth like this:

```
Data _null_;  
  filename fileref <device-type>  
  dsname='path'  
run;
```

something like this but it does not work.

and i would like to add BLK, DISP; UNIT SIZE

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Question # 2

In PROC PRINT, can you print only variables that begin with the letter 'A'?

Answer:-

Use the idea of variable list (varlist) wildcard :

```
e.g.,  
proc print data=xxx ;  
  var A: ;  
run ;
```

This will list all variables start with letter A.

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Question # 3

What is validvarname and varnum? why we are using this options; explain with a syntax for this options?

Answer:-

The following example shows how the Pass-Through Facility works with

VALIDVARNAME=UPPERCASE.

options validvarname=uppercase;

```
proc sql;  
  connect to oracle as tables(user=USERID orapw=password  
  path='INSTANCE');  
  create table lab as  
  select lab_rslt, lab_test  
  from connection to oracle  
  (select "laboratory result$", "laboratory test$"  
  from DBMStable);  
quit;
```

When we check the Output we observe that the variables in the DBMS column is changed to upper case as well as V7 (default option) converts those variables into UPPERCASE variables. Ex: " laboratory result\$" becomes LAB_RSLT and " laboratory test\$" becomes LAB_TEST

VARNUM returns the number of a variable's position in a SAS data set, or 0 if the variable is not in the SAS data set.

This is the same variable number that is next to the variable in the output from PROC CONTENTS.

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Question # 4

What is option year cutoff in sas?

**Answer:-**

by this option we can set the year span like
Options yearcutoff=2050
so it sets year from 2050 to 2049 ..

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Question # 5

How to add a number to a macro variable?

Answer:-

Use %eval to do simple calculation for macro variables.

```
e.g.,  
data _null_;  
%let a = 1;  
%let b = %eval(&a+1);  
%put a=&a b=&b;  
run;
```

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Question # 6

Suppose a null dataset with 10 variables; i want to print only name of the variables in log window and also output window. How can we do this one?

Answer:-

```
data sm;  
input name $ number;  
datalines;  
run;  
dataset in created without observations but the dataset has  
variables.
```

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Question # 7

What is the use of catalog?

Answer:-

SAS CATALOG IS A TYPE OF SPECIAL SAS FILE THAT CONTAINS ELEMENTS.MOST COMMON ELEMENTS IN SAS CATALOG ARE 'FORMAT' 'SOURCE' 'OUTPUT',LOG EC.
PROC FORMAT IS USED TO CREATE THE FORMAT AND STORE THEN IN THE SASCATALOG.
proc format library=SMA;
value \$region
'1'='n orthwest'
'2'='southwest'
'3'='central'
;
run;
FORMAT NAME 'REGION' IS STORED IN CATALOG IN 'SMA' LIBRARY
TO KNOW THE CONTENTS OR TO MOVE THE CONTENTS OF ASA CATALOG
USE THE PROCEDURE 'PROC CATALOG'

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Question # 8

Suppose date is 05sep2005; i want the output like 05sep2005:00:00:00 ; how it will come?

Answer:-

```
data test_date;  
input date;  
informat date datetime18;  
cards;  
05sep2005:00:00:00  
run;  
proc print data=test_date;  
format date datetime18.;;  
run;
```

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Question # 9

Code the tables statement for a single-level (most common) frequency?

Answer:-

one level: tables a b c;

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Question # 10



Suppose a dataset with 100000 records. i want 100 records from that dataset and create a dataset. we need to pick the observations random order like 100obs, 500obs, 1020obs, 1890obs, 2565obs like that i need 100 obs in random order? how can we create this one?

Answer:-

```
data A;  
do slice = 100, 500, 1890, 2565, ... 100th;  
set source point=slice;  
output;  
end;  
stop;  
run;
```

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Question # 11

Code the tables statement to produce a multi-level frequency?

Answer:-

```
multiple levels: tables a*b a*c a*b*c;
```

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