

# How can I display values in percent format using the SAS software?

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## RECOMMENDED CITATION

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The SAS software provides users with the ability to display values in a percent format, allowing for a clearer and more concise presentation of data. This feature can be accessed through the use of the FORMAT statement, which allows for the conversion of numerical values into a percent format. By specifying the percent format in the statement, users can easily transform their data into a more easily interpretable form, making it an invaluable tool for data analysis and reporting. Additionally, this feature can be customized to fit the specific needs of the user, providing a flexible and efficient way to display data in percent format.

## **SAS: Display Values in Percent Format**

**You can use the PERCENT format option in SAS to print values formatted as percentages.**

**The following example shows how to use the PERCENT format option in practice.**

### **Example: Display Values in Percent Format in SAS**

**Suppose we have the following dataset in SAS that shows the exam scores of students in some class:**

```
/*create dataset*/  
data my_data;  
input student $ exam_score;  
datalines;  
Andy 0.945  
Bob 0.78  
Chad 0.865
```

**Derrick 0.77**

**Eric 0.75**

**Frank 0.64**

**George 0.895**

**Henry 0.98**

**Isaac 0.68**

**John 0.84**

;

**run;**

**/\*view dataset\*/**

**proc printdata=my\_data;**

Obs	student	exam_score
1	Andy	0.945
2	Bob	0.780
3	Chad	0.865
4	Derrick	0.770
5	Eric	0.750
6	Frank	0.640
7	George	0.895
8	Henry	0.980
9	Isaac	0.680
10	John	0.840

**Suppose we would like to format the values in the**

**exam\_score** column using a percent format.

**We can use the following syntax to do so:**

```
/*view dataset and display exam scores in percent  
format*/
```

```
proc printdata=my_data;
```

```
format exam_score percent10.1;
```

```
run;
```

Obs	student	exam_score
1	Andy	94.5%
2	Bob	78.0%
3	Chad	86.5%
4	Derrick	77.0%
5	Eric	75.0%
6	Frank	64.0%
7	George	89.5%
8	Henry	98.0%
9	Isaac	68.0%
10	John	84.0%

**Each value in the exam\_score column is displayed in a percent format.**

**When using the percent10.1 statement, the 10 specifies that a maximum of 10 characters will be needed to**

display the entire value including the percent symbol while the 1 specifies that 1 digit should be shown after the decimal place.

If you don't want to display any values after the decimal place, you can use percent10. instead:

```
/*view dataset and display exam scores in percent  
format without decimal places*/  
proc printdata=my_data;  
format exam_score percent10.;  
run;
```

Obs	student	exam_score
1	Andy	95%
2	Bob	78%
3	Chad	87%
4	Derrick	77%
5	Eric	75%
6	Frank	64%
7	George	90%
8	Henry	98%
9	Isaac	68%
10	John	84%

Notice that each value in the exam\_score column is rounded to the nearest integer and each value after the

**decimal place has been truncated.**

**Note: You can find the complete documentation for the PERCENT format in SAS .**

**The following tutorials explain how to perform other common tasks in SAS:**

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