Quiz: Lesson 3

*Select the best answer for each question. When you are finished, click **Submit Quiz**.*

1. Based on the following program and data, how many rows will be included in the **payment** table?

```
proc sort data=payment dupout=dups nodupkey;
     by ID;
run;
```

ID	Amount
A	$997.54
A	$833.88
B	$879.05
C	$894.77
C	$894.77
C	$998.26

- ○ *a.* 1
- ○ *b.* 3
- ○ *c.* 5
- ○ *d.* 6

2. Which of the following FORMAT statements was used to create this output?

Obs	Order_ID	Order_Date	Delivery_Date
1	1230058123	11JAN07	01/11/07
2	1230080101	15JAN07	01/19/07
3	1230106883	20JAN07	01/22/07
4	1230147441	28JAN07	01/28/07
5	1230315085	27FEB07	02/27/07

- ○ *a.* `format Order_Date date9. Delivery_Date mmddyy8.;`
- ○ *b.* `format Order_Date date7. Delivery_Date mmddyy8.;`
- ○ *c.* `format Order_Date ddmmmyy. Delivery_Date mmddyy8.;`
- ○ *d.* `format Order_Date monyy7. Delivery_Date mmddyy8.;`

3. The format name must include a period delimiter in the FORMAT statement.

- ○ *a.* True

○ *b.* False

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4. Which row or rows will be selected by the following WHERE statement?

```
where Job_Title like "Sales%";
```

Obs	Last_Name	First_Name	Country	Job_Title
1	Wu	Christine	AU	Sales Rep I
2	Stone	Kimiko	AU	Sales Manager
3	Hoffman	Fred	AU	Insurance Sales

○ *a.* row 1

○ *b.* row 2

○ *c.* row 3

○ *d.* rows 1 and 2

○ *e.* all rows

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5. Which statement about this PROC SORT step is true?

```
proc sort data=orion.staff;
          out=work.staff;
     by descending Salary Manager_ID;
run;
```

○ *a.* The sorted table overwrites the input table.

○ *b.* The rows are sorted by **Salary** in descending order, and then by **Manager_ID** in descending order.

○ *c.* A semicolon should not appear after the input data set name.

○ *d.* The sorted table contains only the columns specified in the BY statement.

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6. Which of the following statements selects from a table only those rows where the value of the column **Style** is *RANCH*, *SPLIT*, or *TWOSTORY*?

○ *a.* `where Style='RANCH' or 'SPLIT' or 'TWOSTORY';`

○ *b.* `where Style in 'RANCH' or 'SPLIT' or 'TWOSTORY';`

○ *c.* `where Style in (RANCH, SPLIT, TWOSTORY);`

○ *d.* `where Style in ('RANCH', 'SPLIT', 'TWOSTORY');`

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7. Which of the following statements selects rows in which **Amount** is less than or equal to *$5,000* or **Rate** equals *0.095*?

○ *a.* `where amount <= 5000 or rate=0.095;`

○ *b.* `where amount le 5000 or rate=0.095;`

○ *c.* `where amount <= 5000 or rate eq 0.095;`

○ *d.* all of the above

8. Which statement creates the macro variable **flower** and assigns the value *Plumeria*?

   ○ *a.* `%let flower=Plumeria;`

   ○ *b.* `%let flower="Plumeria";`

   ○ *c.* `%let &flower=Plumeria;`

   ○ *d.* `%let &flower="Plumeria";`

9. Which statement in a PROC MEANS step lets you specify the numeric columns to analyze?

   ○ *a.* TABLES

   ○ *b.* VARS

   ○ *c.* VAR

   ○ *d.* KEEP=

10. Suppose you have a table that includes flower sales to all your retail outlets. You want to see the distinct values of **Flower_Type** with a count and percentage for each. Which procedure would you use?

    ○ *a.* PRINT

    ○ *b.* MEANS

    ○ *c.* UNIVARIATE

    ○ *d.* FREQ

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