

Latest Version: 6.0

Question: 1

Open a new programming window to create ACT01.sas in c:\cert\programs.

Write a SAS program that will:

- Create output data set work.ACT01 using sashelp.pricedata as input.
- Use an array to increase the values of the price1 through price17 variables by 10%.

Run your program and troubleshoot as necessary. When you are finished with the project:

1. Ensure that you have saved your program as ACT01.sas in c:\cert\programs.
2. From the score.sas program, call the scoreit macro using ACT01 as the parameter: %scoreit(ACT01).

What is the value for Response in the SAS log?

Solution: All price values for all price1-through price17 will be increased by 10%. For example, price2 in observation 5 will now be 126.50. Arrays and do loops would be used in the program.

Determine whether the given solution is correct?

Response:

- A. Correct
- B. Incorrect

Answer: A

Question: 2

The following SAS program is submitted:

```
%macro mysum(n);  
%if &n > 1 %then %eval(&n + %mysum(%eval(&n-1)));  
%else &n;  
%mend;  
%put %mysum(4);
```

Which output is written to the log?

Response:

- A. 10
- B. 4+3+2+1
- C. 7
- D. A character operand was found in the %EVAL function or %IF condition where a numeric operand is required.

Answer: A

Question: 3

Open a new programming window to create MAC01.sas in c:\cert\programs. Write a DATA step that reads only the first observation of the sashelp.cars data set and stores the value of the Make variable in a macro variable named CarMaker. The macro variable must be defined from within the DATA Step.

Run your program and troubleshoot as necessary. When you are finished with the project:

1. Ensure that you have saved your program as MAC01.sas in c:\cert\programs.
2. From the score.sas program, call the scoreit macro using MAC01 as the parameter: %scoreit(MAC01).
What is the value for Response in the SAS log?

Solution: The CarMaker macro variable will have a value of Acura. The program will include a symputx routine.

Determine whether the given solution is correct?

Response:

- A. Correct
- B. Incorrect

Answer: A

Question: 4

Open a new programming window to create SQL01.sas in c:\cert\programs.

Write an SQL query that will:

- Create output data set work.SQL01 using sashelp.cars as input.
- Compute the average MPG_City for each group of Make. Name the calculated variable AvgCityMPG.
- The output data should have 2 columns, Make and AvgCityMPG.

Run your program and troubleshoot as necessary. When you are finished with the project:

1. Ensure that you have saved your program as SQL01.sas in c:\cert\programs.
2. From the score.sas program, call the scoreit macro using SQL01 as the parameter: %scoreit(SQL01).
What is the value for Response in the SAS log?

Solution: An SQL query with a group by clause will be written. The AvgCityMPG for MAKE=MINI will be 26.5.

Determine whether the given solution is correct?

Response:

- A. Correct
- B. Incorrect

Answer: A

Question: 5

Given the following SQL procedure output:

```
Table Physical Obs % Deleted  
EMPLOYEE_ADDRESSES 424 5.0%
```