



# A00-201<sup>Q&As</sup>

SAS base programming exam

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### QUESTION 1

The following SAS program is submitted:

```
data work.test;
First = `lpswich, England`;
City_Country = substr(First,1,7)!!`, `!!`England`; run;
```

Which one of the following is the length of the variable CITY\_COUNTRY in the output data set?

- A. 6
- B. 7
- C. 17
- D. 25

Correct Answer: D

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### QUESTION 2

The contents of the SAS data set PERM.JAN\_SALES are listed below:

A comma delimited raw data file needs to be created from the PERM.JAN\_SALES data set.

VARIABLE NAME TYPE idnum character variable sales\_date numeric date value

The SALES\_DATE values need to be in a MMDDYY10 form.

Which one of the following SAS DATA steps correctly creates this raw data file?

- A. libname perm `SAS-data-library`; data\_null; set perm.jan\_sales; file `file-specification` dsm = `,`; put idnum sales\_date: mmddy10.; run;
- B. libname perm `SAS-data-library`; data\_null\_; set perm.jan\_sales; file `file-specification` dlm = `,`; put idnum sales\_date : mmddy10.; run;
- C. libname perm `SAS-data-library`; data\_null\_; set perm.jan\_sales; file `file-specification`; put idnum sales\_date : mmddy10.dlm = `,`; run;
- D. libname perm `SAS-data-library"; data\_null\_; set perm jan\_sales; file `file-specification`; put idnum sales\_date: mmddy10. dsd = `,`; put idnum sales\_date: mmddw10. dsd = `,`; run;

Correct Answer: B

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### QUESTION 3



The following SAS program is submitted:

```
data revenue; set year_1; var1 = mdy(1,15,i960); run;
```

Which one of the following values does the variable named VAR1 contain?

- A. 14
- B. 15
- C. 1151960
- D. `1/15/1960\`

Correct Answer: A

---

#### QUESTION 4

The following SAS program is submitted:

```
data work.total;  
  
set work.salary(keep = department wagerate);  
  
by department;  
  
if first.department then payroll = 0;  
  
payroll + wagerate;  
  
if last.department;  
  
run;
```

The SAS data set named WORK.SALARY contains 10 observations for each department, currently ordered by DEPARTMENT.

Which one of the following is true regarding the program above?

- A. The BY statement in the DATA step causes a syntax error.
- B. FIRST.DEPARTMENT and LAST DEPARTMENT are variables in the WORK.TOTAL data set.
- C. The values of the variable PAYROLL represent the total for each department in the WORK.SALARY data set.
- D. The values of the variable PAYROLL represent a total for all values of WAGERATE in the WORK.SALARY data set.

Correct Answer: C

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#### QUESTION 5

The following SAS program is submitted:



```
data work.staff;  
JobCategory = `FA`;  
JobLevel = `1`;  
Jobcategory = Jobcategory || JobLevel;  
run;
```

Which one of the following is the value of the variable JOBCATEGORY in the output data set?

- A. FA
- B. FA1
- C. FA 1
- D. `` (missing character value)

Correct Answer: A

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#### QUESTION 6

The following SAS program is submitted:

```
data work.new;  
length word $7;  
amount = 7;  
if amount = 5 then word = `CAT`;  
else if amount = 7 then word = `DOG`;  
else word = `NONE!!!`;  
amount = 5;  
run;
```

Which one of the following represents the values of the AMOUNT and WORD variables?

- A. amount word 5 DOG
- B. amount word 5 CAT
- C. amount word 7 DOG
- D. amount word 7 " " (missing character value)

Correct Answer: A

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### QUESTION 7

A raw data file is listed below:

```
1901 2 1905 1 1910 6 1925 . 1941 1
```

The following SAS program is submitted and references the raw data file above:

```
data coins; infile `file-specification`; input year quantity; run;
```

Which one of the following completes the program and produces a non-missing value for the variable TOTQUANTITY in the last observation of the output data set?

- A. totquantity + quantity;
- B. totquantity = sum(totquantity + quantity);
- C. totquantity 0; sum totquantity;
- D. retain totquantity 0; totquantity = totquantity + quantity;

Correct Answer: A

---

### QUESTION 8

The contents of the raw data file TYPECOLOR are listed below:

```
---|----10---|----20---|----30
```

Daisyyellow

The following SAS program is submitted:

```
data flowers; infile `typecolor; input type$ 1-5+1 color$; run;
```

Which one of the following represents the values of the variables TYPE and COLOR?

- A. type color daisy yellow
- B. type color daisy yellow
- C. type color daisy yellow (missing character value)
- D. No values are stored as the program fails to execute due to syntax errors.

Correct Answer: D

---

### QUESTION 9



Which one of the following is true of the RETAIN statement in a SAS DATA step program?

- A. It can be used to assign an initial value to `_N_`.
- B. It is only valid in conjunction with a SUM function.
- C. It has no effect on variables read with the SET, MERGE and UPDATE statements.
- D. It adds the value of an expression to an accumulator variable and ignores missing values.

Correct Answer: B

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#### QUESTION 10

Which one of the following SAS DATA steps saves the temporary data set named MYDATA as a permanent data set?

- A. `libname sasdata `SAS-data-library`; data sasdata.mydata; copy mydata; run;`
- B. `libname sasdata `SAS-data-library`; data sasdata.mydata; keep mydata; run;`
- C. `libname sasdata `SAS-data-library`; data sasdata.mydata; save mydata; run;`
- D. `libname sasdata `SAS-data-library`; data sasdata.mydata; set mydata; run;`

Correct Answer: D

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#### QUESTION 11

Which one of the following SAS system options prevents the page number from appearing on a report?

- A. NONUM
- B. NOPAGE
- C. NONUMBER
- D. NOPAGENUM

Correct Answer: C

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#### QUESTION 12

A raw data record is listed below:

```
----|----10---|----20---|----30 1999/10/25
```

The following SAS program is submitted:

```
data projectduration; infile `file-specification`; input date$ 1- 10; run;
```



Which one of the following statements completes the program above and computes the duration of the project in days as of today's date?

```
duration = today( ) - put(date,ddmmyy10.); duration = today( ) - put(date,yymmdd10.); duration = today( ) -  
input(date,ddmmyy10.); duration = today( ) - input(date,yymmdd10.);
```

- A.
- B.
- C.
- D.

Correct Answer:

### QUESTION 13

The SAS data sets WORKEMPLOYEE and WORKSALARY are shown below:

```
WORK.EMPLOYEE WORK.SALARY
```

```
fname age fname salary
```

```
Bruce 30 Bruce 25000
```

```
Dan 40 Bruce 35000
```

```
Dan 25000
```

The following SAS program is submitted:

```
data work.empdata;
```

```
by fname;
```

```
totsal + salary;
```

```
run;
```

Which one of the following statements completes the merge of the two data sets by the ENAME variable?

- A. merge work.employee work.salary (fname = name);
- B. merge work.employee work.salary (name = fname);
- C. merge work.employee work.salary (rename = (fname = name));
- D. merge work.employee work.salary (rename = (name = fname));

Correct Answer: D



#### QUESTION 14

The following SAS program is submitted:

```
Data_null;  
  
set old (keep = prod sales 1 sales2);  
  
file `file-specification`\  
  
put sales1 sales2; run;
```

Which one of the following default delimiters separates the fields in the raw data file created?

- A. : (colon)
- B. (space)
- C. , (comma)
- D. ; (semicolon)

Correct Answer: B

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#### QUESTION 15

The following SAS program is submitted:

```
data work.test;  
  
array agents{4}$ 12 sales1 - sales4  
  
run;
```

Which one of the following represents the variables that are contained in the output data set?

- A. SALES1, SALES2, SALES3, SALES4
- B. AGENTS1, AGENTS2, AGENTS3, AGENTS4
- C. None, the DATA step fails because the ARRAY statement can reference only numeric data.
- D. None, the DATA step fails because the ARRAY statement can reference only pre-existing variables.

Correct Answer: A

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