

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

SAS base programming exam

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### QUESTION 1

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 2

Which one of the following SAS statements correctly computes the average of four numerical values?

- A. average = mean(num1 - num4);
- B. average = mean(of num1 - num4)
- C. average = mean(of num1 to num4);
- D. average = mean(num1 num2 num3 num4);

Correct Answer: B

---

### QUESTION 3

Click the Exhibit button to view a listing of the SASUSER.HOUSES data set.

style price

CONDO \$79,700

RANCH \$68,575

SPLIT \$77,983

TWOSTORY \$62,550

The following SAS program is submitted:

```
proc report data = sasuser.houses nowd headline;
```

```
column style price;
```

```
where price lt 100000;
```

```
define price / mean width = 9;
```

```
title;
```

```
run;
```

The following output is created by the REPORT procedure:

| Obs | style    | sqfeet | bedrooms | baths | street           | price     |
|-----|----------|--------|----------|-------|------------------|-----------|
| 1   | RANCH    | 1250   | 2        | 1.0   | Sheppard Avenue  | \$64,000  |
| 2   | SPLIT    | 1190   | 1        | 1.0   | Rand Street      | \$65,850  |
| 3   | CONDO    | 1400   | 2        | 1.5   | Market Street    | \$80,050  |
| 4   | TWOSTORY | 1810   | 4        | 3.0   | Garris Street    | \$107,250 |
| 5   | RANCH    | 1500   | 3        | 3.0   | Kemble Avenue    | \$86,650  |
| 6   | SPLIT    | 1615   | 4        | 3.0   | West Drive       | \$94,450  |
| 7   | SPLIT    | 1305   | 3        | 1.5   | Graham Avenue    | \$73,650  |
| 8   | CONDO    | 1390   | 3        | 2.5   | Hampshire Avenue | \$79,350  |
| 9   | TWOSTORY | 1040   | 2        | 1.0   | Sanders Road     | \$55,850  |
| 10  | CONDO    | 2105   | 4        | 2.5   | Jeans Avenue     | \$127,150 |
| 11  | RANCH    | 1535   | 3        | 3.0   | State Highway    | \$89,100  |
| 12  | TWOSTORY | 1240   | 2        | 1.0   | Fairbanks Circle | \$69,250  |
| 13  | RANCH    | 720    | 1        | 1.0   | Nicholson Drive  | \$34,550  |
| 14  | TWOSTORY | 1745   | 4        | 2.5   | Highland Road    | \$102,950 |
| 15  | CONDO    | 1860   | 2        | 2.0   | Arcata Avenue    | \$110,700 |

Which one of the following DEFINE statements completes the above program and produces the above output?

A. define style / order width = 9;

B. define style / group width = 9;

C. define style / across width = 9;

D. define style / display width = 9;

Correct Answer: B

---

#### QUESTION 4

The following SAS program is submitted:

```
data work.accounting; set work.dept1 work.dept2; run;
```

A character variable named JOBCOE is contained in both the WORK.DEPT1 and WORK.DEPT2 SAS data sets. The variable JOBCODE has a length of 5 in the WORK.DEPT1 data set and a length of 7 in the WORK.DEPT2 data set.

Which one of the following is the length of the variable JOBCODE in the output data set?

B. 7

C. 8

D. 12

Correct Answer: A

---

#### QUESTION 5

A raw data record is shown below:

07Jan2002

Which one of the following in formats would read this value and store it as a SAS date value?

A. date9.

B. dmonyy9.

C. ddMMMyy9.

D. ddmmmyyyy9.

Correct Answer: A

---

#### QUESTION 6

The following SAS program is submitted:

```
proc report data = work.houses nowd;
```

```
column style price;
```

```
where price
```

```
title;
```

```
run;
```

Click the Exhibit button to view the output from the REPORT procedure.

| style    | price  |
|----------|--------|
| CONDO    | 80,0€0 |
|          | 79,3€0 |
| RANCH    | 64,0€0 |
|          | 86,6€0 |
|          | 89,1€0 |
|          | 34,5€0 |
| SPLIT    | 65,8€0 |
|          | 94,4€0 |
|          | 73,6€0 |
| TWOSTORY | 55,8€0 |
|          | 69,2€0 |

Assume permanent variable labels have been assigned.

Which one of the following completes the program and produces the output displayed in the exhibit?

- A. define style / display width = 9; define price / sum format = comma9. width = 10;
- B. define style / width = 9; define price / sum format = comma9. width = 10;
- C. define style / group width = 9; define price / sum format = comma9. width = 10;
- D. define style / order width = 9; define price / sum format = comma9. width = 10;

Correct Answer: D

## QUESTION 7

The following SAS program is submitted:

```
footnote1 `Sales Report for Last Month\`;
```

```
footnote2 `Selected Products Only\`;
```

```
footnote3 `All Regions\`;
```

---

```
footnote4 `All Figures in Thousands of Dollars`;
```

```
proc print data = sasuser.shoes;
```

```
footnote2 `All Products`;
```

```
run;
```

Which one of the following contains the footnote text that is displayed in the report?

- A. All Products
- B. Sales Report for Last Month All Products
- C. All Products All Regions All Figures in Thousands of Dollars
- D. Sales Report for Last Month All Products All Regions All Figures in Thousands of Dollars

Correct Answer: B

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#### QUESTION 8

The following SAS program is submitted:

```
data work.accounting; set work.dept1 work.dept2; run;
```

A character variable named JOSCODE is contained in both the WORK.DEPT1 and WORK.DEPT2 SAS data sets. The variable JOSCODE has a length of 5 in the WORK.DEPT1 data set and a length of 7 in the WORK.DEPT2 data set.

Which one of the following is the length of the variable JOBCODE in the output data set?

- A. 5
- B. 7
- C. 8
- D. 12

Correct Answer: A

---

#### QUESTION 9

The following SAS program is submitted:

```
libname temp `SAS-data-library`;
```

```
data work.new;
```

```
set temp.jobs;
```

```
format newdate mmddyy10.;
```

```
qdate = qtr(newdate);  
ddate = weekday(newdate);  
  
run;  
  
proc print data = work.new;  
  
run;
```

The variable NEWDATE contains the SAS date value for April 15, 2000.

What output is produced if April 15, 2000 falls on a Saturday?

- A. Obs newdate qdate ddate 1 APR152000 2 6
- B. Obs newdate qdate ddate 1 04/15/2000 2 6
- C. Obs newdate qdate ddate 1 APP152000 2 7
- D. Obs newdate qdate ddate 1 04/15/2000 2 7

Correct Answer: D

---

#### QUESTION 10

The following SAS program is submitted:

```
data work.retail; cost = `20000\`; total = .10*cost; run;
```

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

- A. 2000
- B. `2000\`
- C. (missing numeric value)
- D. `` (missing character value)

Correct Answer: A

---

#### QUESTION 11

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

Correct Answer: D

---

#### QUESTION 12

The following SAS program is submitted:

```
data work.passengers;  
  
if OrigPassengers = then  
    OrigPassengers = 100;  
    TransPassengers = 100;  
    OrigPassengers = .;  
    NonPaying = 10;  
  
TotalPassengers = sum (OrigPassengers, TransPassengers); run;
```

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

- A. 100
- B. 110
- C. 200
- D. (missing numeric value)

Correct Answer: B

---

#### QUESTION 13

The following SAS program is submitted:

```
proc sort data=work.employee;
```



by descending fname;

proc sort data=work.salary;

by descending fname;

data work.empdata;

merge work.employee

work salary;

by fname;

run;

Which one of the following statements explains why the program failed execution?

The SORT procedures contain invalid syntax.

The merged data sets are not permanent SAS data sets. The data sets were not merged in the order by which they were sorted. The RUN statements were omitted after each of the SORT procedures.

A.

B.

C.

D.

Correct Answer:

---

#### QUESTION 14

The SAS data set EMPLOYEE\_INFO is listed below:

IDNUMBER Expenses 2542 100.00 3612 133.15 2198 234.34 2198 111.12

The following SAS program is submitted:

```
proc sort data = employee_info; run;
```

Which one of the following BY statements completes the program and sorts the data sequentially by ascending expense values within each ascending IDNUMBER value?

A. by Expenses IDNumber;

B. by IDNumber Expenses;

C. by ascending (IDNumber Expenses);

D. by ascending IDNumber ascending Expenses;

Correct Answer: B

---

#### QUESTION 15

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

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