

# Sas Base Certification Practice Exam

SAS® Certification Practice Exam:  
Base Programming for SAS® 9

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## Certification Practice Exam

You should read the [introductory material](#) before you take this practice exam.

Select the best answer for each question and click [Score My Practice Exam](#).

1. A raw data file is listed below.

```
-----10-----20-----  
01/05/1989   Frank    11  
02/25/1987   June     13  
01/05/1991   Sally     9
```

The following SAS program is submitted using this file as input:

```
data work.family;  
  infile 'file-specification';  
  input @1 date_of_birth mmddyy10.  
        @15 first_name $5.  
        @25 age 3;  
run;  
  
proc print data=work.family noobs;  
run;
```

The following output is generated for the **Work.Family** data set:

Date_of_birth	First_name	Age
10597	Frank	.
10220	June	.
11327	Sally	.

Which of the following statements is true regarding the **Work.Family** output?

- ☐ a. The output has the expected data values.
- ☐ b. The output does not have the expected data values due to an invalid data set name.
- ☐ c. The output does not have the expected data values due to an invalid informat for *Age* only.
- ☐ d. The output does not have the expected data values due to invalid informats for both *Age* and *Date\_of\_birth*.

2. The following SAS program is submitted:

```
data employees;  
  infile 'file-specification';  
  input @1 name $10.  
        @15 date date9  
        @25 department $;  
run;
```

How many numeric variables are created?

- ☐ a. 0
- ☐ b. 1
- ☐ c. 2

SAS Base Certification Practice Exam is an essential resource for aspiring data analysts and statisticians who wish to demonstrate their proficiency in SAS programming. Achieving SAS Base Certification validates your skills and knowledge in using SAS software, which is widely recognized in various industries for data analysis and management. This article aims to guide you through the essentials of preparing for the SAS Base Certification exam, including an overview of the exam structure, key topics to study, and the importance of practice exams.

## Understanding SAS Base Certification

The SAS Base Certification is designed for individuals who have a fundamental understanding of SAS programming. This certification focuses on various areas, including data manipulation, analysis, and

reporting. The exam assesses candidates' abilities to use SAS software effectively, making it a valuable asset for those seeking to advance their careers in analytics.

## Eligibility and Prerequisites

While there are no formal prerequisites to take the SAS Base Certification exam, having a foundational knowledge of SAS programming is highly recommended. Candidates should be comfortable with the following:

1. Basic SAS programming: Understanding data steps, PROC steps, and basic syntax.
2. Data manipulation: Knowledge of how to read, modify, and write data in SAS.
3. Statistical analysis: Familiarity with basic statistical methods and how to implement them in SAS.
4. Reporting: Ability to generate reports and output results using SAS.

## Exam Structure and Format

The SAS Base Certification exam consists of multiple-choice questions that test your knowledge and practical skills in using SAS.

## Key Details

- Duration: The exam lasts for 2 hours.
- Number of Questions: The exam typically contains 60-70 questions.
- Type of Questions: Questions may include multiple-choice, true/false, and scenario-based queries.
- Passing Score: The passing score is generally around 70%, but this may vary depending on the testing center.

## Exam Topics

The SAS Base Certification exam covers several key topics. Here's a breakdown of the primary areas you should focus on:

1. SAS Programming Basics
  - Understanding SAS programming syntax
  - Writing basic SAS programs
  - Using SAS functions and operators
2. Data Access
  - Importing and exporting data
  - Reading from different file formats (CSV, Excel, etc.)
  - Using the LIBNAME statement to access data libraries
3. Data Manipulation

- Creating, modifying, and deleting data sets
- Merging and concatenating data sets
- Using DATA steps to manipulate data

#### 4. Data Analysis

- Performing basic statistical analysis using PROC steps
- Understanding how to use PROC SORT, PROC MEANS, and PROC FREQ
- Generating summary statistics and descriptive analyses

#### 5. Reporting and Output

- Creating reports using PROC REPORT and PROC PRINT
- Customizing output with ODS (Output Delivery System)
- Exporting results to different formats (HTML, PDF, etc.)

## Importance of Practice Exams

Taking practice exams is crucial for effective preparation for the SAS Base Certification exam. Here are some benefits of using practice exams:

1. Familiarization with Exam Format: Practice exams help you understand the structure and format of the actual exam, reducing anxiety on test day.
2. Identifying Knowledge Gaps: By taking practice tests, you can identify areas where you need to improve your knowledge and skills.
3. Time Management Skills: Practicing under timed conditions can help you manage your time effectively during the actual exam.
4. Confidence Building: Regular practice can boost your confidence, making you feel more prepared and capable.

## Where to Find Practice Exams

Several resources can help you find quality practice exams for the SAS Base Certification. Consider the following options:

- Official SAS Resources: The SAS website offers official training materials, including sample questions and practice exams.
- Online Learning Platforms: Websites like Coursera, Udemy, and LinkedIn Learning often have courses that include practice exams.
- Books and Study Guides: Various books provide practice questions and detailed explanations of SAS concepts.
- Community Forums: Join SAS user groups and forums where members often share practice questions and study materials.

## Study Strategies for Success

Preparing for the SAS Base Certification exam requires a structured study plan. Here are some

effective strategies to help you succeed:

1. **Create a Study Schedule:** Develop a timeline for studying each topic and stick to it. Allocate specific times for practice exams and review sessions.
2. **Utilize Multiple Resources:** Use a combination of textbooks, online courses, and practice exams to gain a well-rounded understanding of SAS.
3. **Hands-On Practice:** Work on real data sets and projects using SAS software to apply what you learn in a practical context.
4. **Join Study Groups:** Collaborate with peers who are also preparing for the exam. Discussing concepts and solving problems together can enhance your learning experience.
5. **Review and Revise:** Regularly revisit topics you find challenging. Use practice questions to reinforce your understanding and retention of material.

## **Final Thoughts**

Achieving the SAS Base Certification is a significant step in your professional journey, demonstrating your expertise in SAS programming. By understanding the exam structure, focusing on key topics, and utilizing practice exams, you can enhance your chances of success. Remember, consistent study and hands-on practice are essential components of effective preparation. Utilize various resources, develop a study plan, and engage with the SAS community to maximize your readiness for the certification exam. Good luck on your path to becoming a certified SAS professional!

## **Frequently Asked Questions**

### **What is the purpose of the SAS Base Certification?**

The SAS Base Certification validates a candidate's ability to use SAS software for data manipulation, analysis, and reporting, demonstrating proficiency in base SAS programming skills.

### **What topics are typically covered in the SAS Base Certification practice exam?**

The practice exam usually covers topics such as data step programming, SAS functions, data manipulation techniques, SQL processing, and report generation using PROC steps.

### **How can I prepare for the SAS Base Certification practice exam?**

Preparation can include studying SAS documentation, taking online courses, practicing coding with sample datasets, and utilizing SAS practice exams and study guides.

### **Are there any recommended resources for studying for the SAS Base Certification?**

Recommended resources include the official SAS Certification Prep Guide, online training courses from SAS or third-party providers, and practice exams available on the SAS website.

## What is the format of the SAS Base Certification exam?

The SAS Base Certification exam is typically a computer-based exam consisting of multiple-choice questions that assess both theoretical knowledge and practical skills.

## How long is the SAS Base Certification exam, and how many questions does it include?

The exam usually lasts for 2 hours and consists of approximately 60 multiple-choice questions.

## What is the passing score for the SAS Base Certification exam?

The passing score for the SAS Base Certification exam is typically around 70%, but this can vary slightly depending on the specific exam version.

## Can I retake the SAS Base Certification exam if I don't pass?

Yes, candidates can retake the SAS Base Certification exam, but there may be a waiting period and additional fees associated with retaking the exam.

## Is it necessary to have prior SAS programming experience before taking the certification exam?

While prior experience with SAS programming is highly beneficial, it is not strictly necessary; however, practical knowledge and familiarity with SAS concepts will greatly enhance the chances of passing.

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