



## Lesson Certificate

This is to certify that on July 17, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Basic Concepts**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 18, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Using the Programming Workspace**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 18, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Referencing Files and Setting Options**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Editing and Debugging SAS Programs**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating List Reports**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating SAS Data Sets from Raw Data**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Understanding DATA Step Processing**

*The Power to Know.*



## Lesson Certificate

This is to certify that on July 24, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating and Applying User-Defined Formats**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 4, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Producing Descriptive Statistics**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Enhanced List and Summary Reports**

*The Power to Know.*





## Lesson Certificate

This is to certify that on August 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Producing HTML Output**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Tabular Reports**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Enhancing HTML Tabular Reports**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 7, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating and Managing Variables**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 12, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading SAS Data Sets**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 14, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Combining SAS Data Sets**

*The Power to Know.*





## Lesson Certificate

This is to certify that on August 18, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Performing Queries Using PROC SQL**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 19, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Transforming Data with SAS Functions**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Accessing DBMS Data**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 21, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Generating Data with DO Loops**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 22, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Processing Variables with Arrays**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 22, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Improving Program Efficiency with Macro Variables**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 25, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading Raw Data in Fixed Fields**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 25, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading Free-Format Data**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 26, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading Date and Time Values**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 26, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating a Single Observation from Multiple Records**

*The Power to Know.*





## Lesson Certificate

This is to certify that on August 28, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Multiple Observations from a Single Record**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 28, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading Hierarchical Files**

*The Power to Know.*



## Lesson Certificate

This is to certify that on August 28, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Reading Variable-Length Records**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 2, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Plots**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 2, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Bar and Pie Charts**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 4, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Enhancing and Exporting Charts and Plots**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 4, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating Drill-Down Graphs in HTML**

*The Power to Know.*



## Library Certificate

This is to certify that on September 5, 2014,

**Moola S. Reddy**

scored 80% or higher on all lesson quizzes for the SAS online library

**SAS OnlineTutor®: Basic and Intermediate SAS®**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Querying Data Using SAS Enterprise Guide**

*The Power to Know.*



## Lesson Certificate

This is to certify that on September 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Creating and Customizing Reports Using SAS Enterprise  
Guide**

*The Power to Know.*





## Lesson Certificate

This is to certify that on September 5, 2014,

**Moola S. Reddy**

scored 80% or higher on the quiz for the SAS online lesson

**Programming Using SAS Enterprise Guide**

*The Power to Know.*