

## Automatic Workload Automation Script 1

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### Course Summary

#### Description

Now that you know the basic building-blocks of Automatic Workload Automation, you can begin to utilize scripting inside your objects for advanced capabilities. Learn about Script Functions and Script Statements and how you can use basic programmatic skills to create loops, search reports, and activate objects based upon returned values.

#### Objectives

At the end of this course, students will be able to:

- Define the principal elements of Automatic's scripting language
- Identify the basic arithmetic operations in the Automation Script language
- Identify the script statements that enable you to declare variables
- Use date and time functions to control task execution
- Employ control structures to control the flow of a script
- Interact with variable objects in your scripts
- Modify object attributes
- Generate data sequences using PREP\_PROCESS functions
- Employ script arrays to read and write multiple string values to script variables
- Perform basic processing of strings delivered by script functions
- Use frequently used statements and functions in your scripts

#### Topics

- Automation Script Introduction
- Variable Declaration
- Date and Time Functions
- Arithmetic Operations
- Logical Structures
- Interaction with Variable Objects
- Object Attributes
- Data Sequences
- Arrays
- String Processing
- Frequently Used Statements and Functions

#### Prerequisites

Students should have completed:

- Automatic ONE Automation Foundations
- Automatic Workload Automation Design 1
- Automatic ONE Automation Scripting Foundations

#### Duration

Three days

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### Course Outline

- I. *Automation Script Introduction*
  - A. Automation Script purpose
  - B. Automation Script processing
  - C. Automation Script components and rules
- II. *Variable Declaration*
  - A. Scope of Automation Script variables
  - B. Variable declaration
  - C. Predefined variables for system and object values
- III. *Date and Time Functions*
  - A. SYS\_DATE()
  - B. SYS\_DATE\_PHYSICAL()
  - C. SYS\_LDATE
  - D. SYS\_TIME()
  - E. SYS\_TIME\_PHSYICA
- IV. *Arithmetic Operations*
  - A. The DEFINE statement
  - B. The four basic arithmetic operations
  - C. Mathematical operands
- V. *Logical Structures*
  - A. Control Structures
  - B. Branches
  - C. Loops
- VI. *Interaction with Variable Objects*
  - A. Reading variable objects
  - B. Writing variable objects
- VII. *Object Attributes*
  - A. Modifying object attributes
  - B. Using Include objects as script models
- VIII. *Data Sequences*
  - A. Data sequences with PREP\_PROCESS functions
  - B. PREP\_PROCESS\_REPORT() function
  - C. Processing of data sequences
  - D. Parameter for subdivision into columns
  - E. PREP\_PROCESS\_VAR() function
- IX. *Arrays*
  - A. Script arrays
  - B. Script variable as a one-dimensional array
- X. *String Processing*
  - A. Processing strings
  - B. Splitting or cutting a string
- XI. *Frequently Used Statements and Functions*
  - A. Miscellaneous functions and statements
  - B. Fetch file system values
  - C. Canceling objects
  - D. Canceling events
  - E. Object activation interruption