

# Report Writing – Advanced 9.2

## Contents

<b>Introduction</b>	<b>5</b>
<b>Data Dictionary</b>	<b>7</b>
<b>Overview</b>	<b>7</b>
<b>Item Specifications</b>	<b>8</b>
<b>Item Glossary</b>	<b>11</b>
Data Item Glossaries	11
<b>Default Values</b>	<b>12</b>
<b>Visual Assist</b>	<b>13</b>
<b>Edit Rules</b>	<b>14</b>
<b>Display Rules</b>	<b>15</b>
<b>Next Number</b>	<b>17</b>
<b>Using Existing Data Items</b>	<b>18</b>
Finding Existing Items	18
<b>Description Overrides (Jargon)</b>	<b>19</b>
Defining Description Overrides	19
<b>Other Glossaries</b>	<b>21</b>
Error Message Glossaries	21
Processing Option Glossaries	24
<b>Table Design</b>	<b>25</b>
<b>Introduction</b>	<b>25</b>
Steps to Create a Table	25
Steps to Generate the Table	28
<b>Table Triggers</b>	<b>30</b>
Add or Modify Table Trigger Logic	31
Build a Table Trigger	33
Steps to Print the Details of a Table	33
<b>Directed Exercise: Create a Custom Table for Use as a Temporary Work File</b>	<b>34</b>
Learning Objective	34
Steps to Complete the Exercise	34
<b>Business View Design</b>	<b>55</b>
<b>Introduction</b>	<b>55</b>
Table Joins	55
Table Union	55
Distinct Mode	55

Indices	56
Steps to Create a Business View	56
Steps to Create a Joined Business View	60
Print the Details of a Business View	61
<b>Directed Exercise: Creating a Joined Business View</b>	<b>62</b>
Learning Objective	62
Steps to Complete the Exercise	62
<b>Processing Option Design</b>	<b>65</b>
<b>Introduction</b>	<b>65</b>
<b>Steps to Create a Processing Option Template</b>	<b>65</b>
Select Data Items	68
Adding Help Text	70
Attaching the Processing Option Template to a Report	71
<b>Directed Exercise: Create a Processing Option Template</b>	<b>74</b>
Learning Objective	74
Steps to Complete the Exercise	74
<b>Event Rule Variables</b>	<b>77</b>
<b>Introduction</b>	<b>77</b>
Steps to Create an Event Rule Variable	77
<b>System Functions</b>	<b>81</b>
<b>Introduction</b>	<b>81</b>
<b>Advanced Functions</b>	<b>85</b>
<b>Advanced Text Functions</b>	<b>85</b>
<b>Advanced Date Functions</b>	<b>90</b>
<b>Table I/O Operations</b>	<b>91</b>
<b>Introduction</b>	<b>91</b>
Available Basic Operations	91
Available Advanced Operations	91
Steps to Set Up a Fetch Single Table I/O	91
Steps to Set Up an Advanced Select/Fetch Next Routine	100
<b>Directed Exercise: Setting Up a Fetch Single Table I/O Operation</b>	<b>106</b>
Learning Objective	106
Steps to Complete the Exercise	106
<b>Additional Steps to Perform “Right Trim” and “Concatenate” Functions</b>	<b>111</b>
<b>Directed Exercise: Setting Up a Select/Fetch Next Operation</b>	<b>114</b>
Learning Objective	114
Steps to Complete the Exercise	114
<b>Printing Text Attachments (Media Objects)</b>	<b>119</b>
<b>Introduction</b>	<b>119</b>
Steps to Perform a Media Object Text Attachment	119

<b>Directed Exercise: Create a New Report That Includes Print Media Object Text Attachments</b>	<b>124</b>
Learning Objective	124
Steps to Complete the Exercise	124
<b>Tabular Section</b>	<b>137</b>
Attributes of the Tabular Section	137
Limitations of the Tabular Section	138
Defining the Row Specifications	140
<b>Working with a Conditional Section</b>	<b>141</b>
<b>Introduction</b>	<b>141</b>
Steps to Create a Conditional Section	142
Steps to Call a Conditional Section	143
<b>Directed Exercise: Working with a Conditional Section</b>	<b>144</b>
Learning Objective	144
Steps to Complete the Exercise	144
<b>Report Interconnect</b>	<b>165</b>
<b>Introduction</b>	<b>165</b>
Steps to Create a Report Interconnect	165
<b>Directed Exercise: Setting Up a Report Interconnect</b>	<b>168</b>
Learning Objective	168
Steps to Complete the Exercise	171
Create a Custom Table for Use as a Temporary Work File	176
<b>Smart Field Design</b>	<b>183</b>
<b>Introduction</b>	<b>183</b>
Steps to Create a Smart Field	183
Create the Data Dictionary Item for Use as a Prompt	184
Defining the Data Structure	184
Steps to Create Named Event Rules	191
Steps to Create a Data Dictionary Smart Field Item	196
Smart Field Template Definition and Activation	200
<b>Directed Exercise: Setting Up a Custom Smart Field</b>	<b>202</b>
Steps to Complete the Exercise	202
<b>ER Debugging</b>	<b>209</b>
<b>Overview</b>	<b>209</b>
Debug UBE/Reports	209
<b>Debug Log Files</b>	<b>217</b>
<b>Overview</b>	<b>217</b>
Turn On JDE Debug Log	217
Capture JDEdebug.log	220
Finding the JDEdebug.log	220
Review JDEdebug.log	223
Turn Off JDE Debug Log	224