

Assessment of Learning: “Calendar”

Curriculum Expectations: A1.1, A1.3, A1.4, A2.1, A2.2, A2.3, A3.1, A4.1, A4.3, A4.4, A4.5, B1.1, B1.2, B1.3, B2.5, B3.1, B3.3

Test Cases		
Description	Given Input (in bold) and Expected Output	Score
<p>“Typical” case</p> <p>A start day and number of days in month that produces a “five line” calendar.</p> <ul style="list-style-type: none"> • Headers as shown • Calendar starts on Thursday • Calendar ends on Friday the 30th • Data in columns is right-aligned • Special day shown, without “bump” 	<p>Enter day: 5</p> <p>Enter the number of days in the month: 30</p> <p>Enter the special day: 15</p> <pre> Sun Mon Tue Wed Thr Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13 14 *15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 </pre>	<p>0 1 2 3 4 5</p>
<p>Upper boundary condition</p> <p>A start day and number of days in month that produces a “six line” calendar.</p> <ul style="list-style-type: none"> • Calendar starts on Saturday • Calendar ends on Monday the 31st (successfully goes down to 6th row) • Data in columns is right-aligned • Special day shown, without “bump” 	<p>Enter day: 7</p> <p>Enter the number of days in the month: 31</p> <p>Enter the special day: 31</p> <pre> Sun Mon Tue Wed Thr Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 *31 </pre>	<p>0 1 2 3 4</p>

Test Cases		
Description	Given Input (in bold) and Expected Output	Score
<p>Lower boundary condition</p> <p>A start day and number of days that produces a “four line” calendar.</p> <ul style="list-style-type: none"> Calendar starts on Sunday Calendar ends on Saturday the 28th (successfully shows just 4 rows) Data in columns is right-aligned Special day shown, without “bump” 	<p>Enter day: 1</p> <p>Enter the number of days in the month: 28</p> <p>Enter the special day: 1</p> <pre> Sun Mon Tue Wed Thr Fri Sat *1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 </pre>	<p>0 1 2 3 4</p>
<p>String input</p> <ul style="list-style-type: none"> Not accepted on all input prompts 	<p>Enter day: one</p> <p>Enter day: 1</p> <p>Enter the number of days in the month: thirty</p> <p>Enter the number of days in the month: 30</p> <p>Enter the special day: two</p> <p>Enter the special day: 2</p>	<p>0 1</p>
<p>Non-integer input</p> <ul style="list-style-type: none"> Not accepted on all input prompts 	<p>Enter day: 1.5</p> <p>Enter day: 2</p> <p>Enter the number of days in the month: 29.3</p> <p>Enter the number of days in the month: 30</p> <p>Enter the special day: 7.6</p> <p>Enter the special day: 8</p>	<p>0 1</p>

Test Cases		
Description	Given Input (in bold) and Expected Output	Score
<p>Out-of-range integer input</p> <ul style="list-style-type: none"> Start day range is 1 to 7 inclusive Days in month range is 28 to 31 inclusive Special day range is 1 to <i>days in month provided</i>, inclusive Input and output (prompts and whitespace) matches spec, exactly as shown 	<pre> Enter day: 0 Enter day: 8 Enter day: 3 Enter the number of days in the month: 27 Enter the number of days in the month: 32 Enter the number of days in the month: 30 Enter the special day: 0 Enter the special day: 31 Enter the special day: 30 Sun Mon Tue Wed Thr Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 *30 </pre>	<p>0 1 2 3 4 5</p>

Comments

Final score

20
out of
20