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

"Typical" case
 	
A start day and number of days in month that produces a "five line" calendar.
 	
• Headers as shown
• Calendar starts on Thursday
• Calendar ends on Friday the 30th
• Data in columns is right-aligned
• Special day shown, without "bump"
	Enter day:
	5
	Enter the number of days in the month:
	30
	Enter the special day:
	15
	
	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
		0 1 2 3 4 5

Upper boundary condition
 	
A start day and number of days in month that produces a "six line" calendar.
 	
• 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"
	Enter day:
	7
	Enter the number of days in the month:
	31
	Enter the special day:
	31
	
	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
		0 1 2 3 4

Test Cases

Description	Given Input (in bold) and Expected Output	Score
Lower boundary condition A start day and number of days that produces a "four line" calendar. • 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"	Enter day: **1** Enter the number of days in the month: **28** Enter the special day: **1** 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	0 1 2 3 4
String input • Not accepted on all input prompts	Enter day: **one** Enter day: **1** Enter the number of days in the month: **thirty** Enter the number of days in the month: **30** Enter the special day: **two** Enter the special day: **2**	0 1
Non-integer input • Not accepted on all input prompts	Enter day: **1.5** Enter day: **2** Enter the number of days in the month: **29.3** Enter the number of days in the month: **30** Enter the special day: **7.6** Enter the special day: **8**	0 1

Test Cases

Description	Given Input (in bold) and Expected Output	Score
Out-of-range integer input • Start day range is 1 to 7 inclusive • Days in month range is 28 to 31 inclusive • Special day range is 1 to *days in month provided*, inclusive • Input and output (prompts and whitespace) matches spec, exactly as shown	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	0 1 2 3 4 5

Comments

Final score

20

out of

20