**Practical 4**

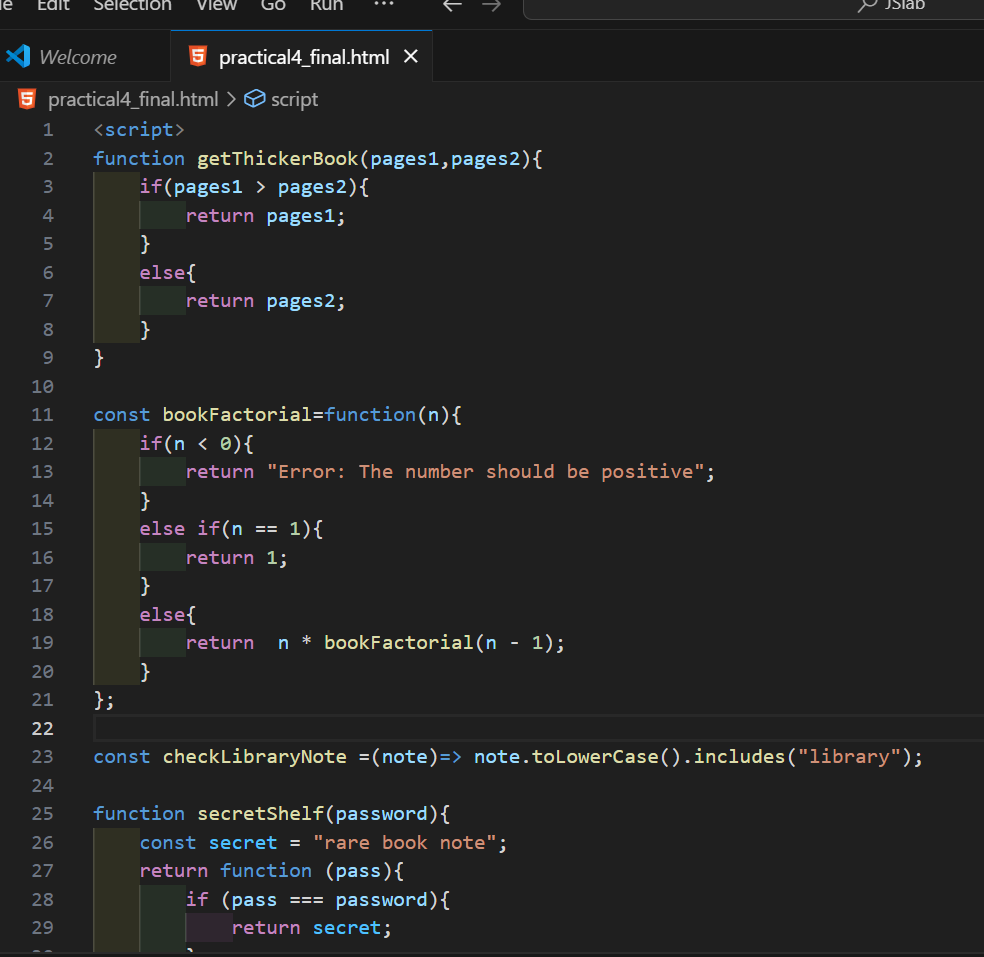
**You are a JavaScript developer working for a Smart Library Management System.**

**The library wants to automate book handling, secure notes, and utility checks using JavaScript**

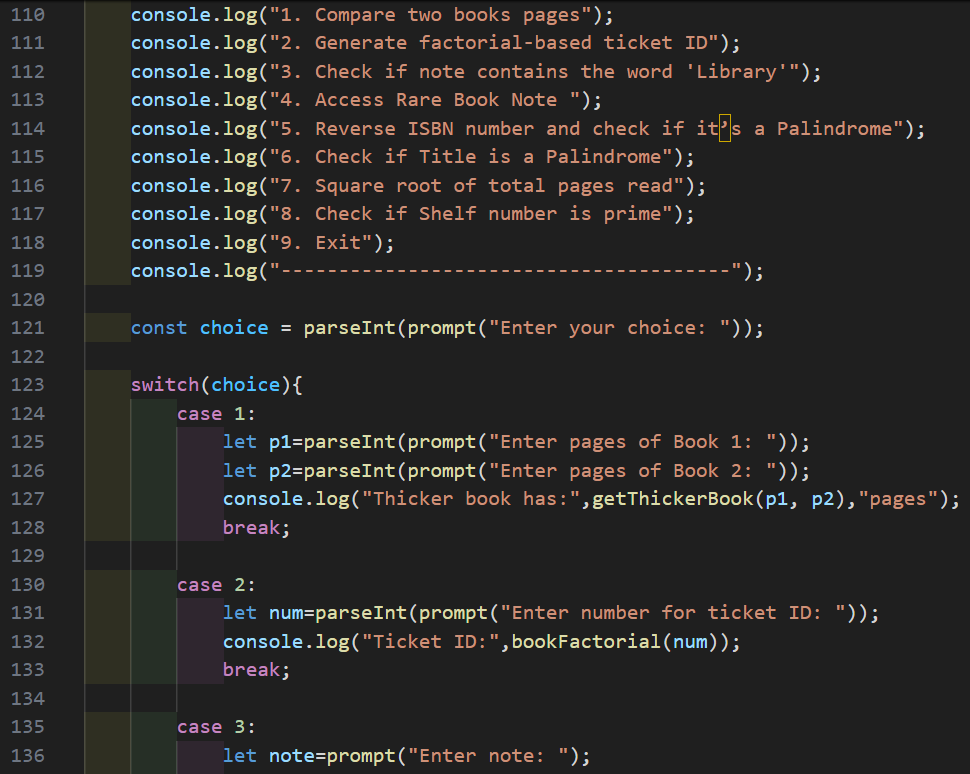
**functions. Your task is to build a prototype program that demonstrates functions, scope,**

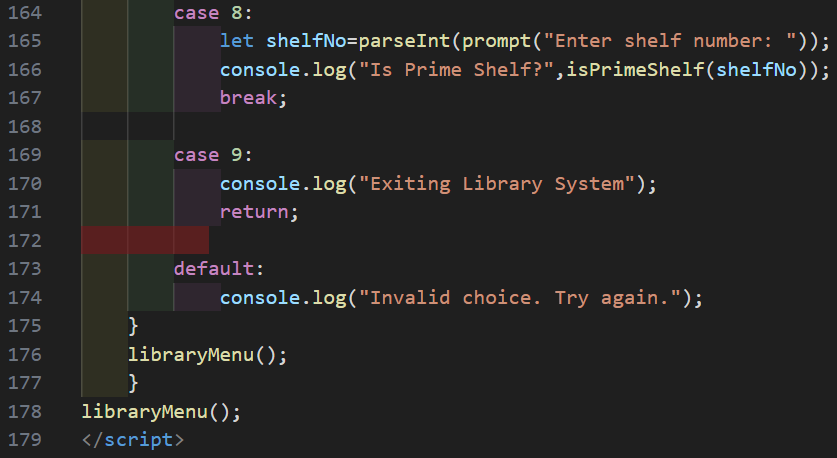
**closures, error handling, reverse/palindrome checks, and prime number utilities.**

**CODE:**

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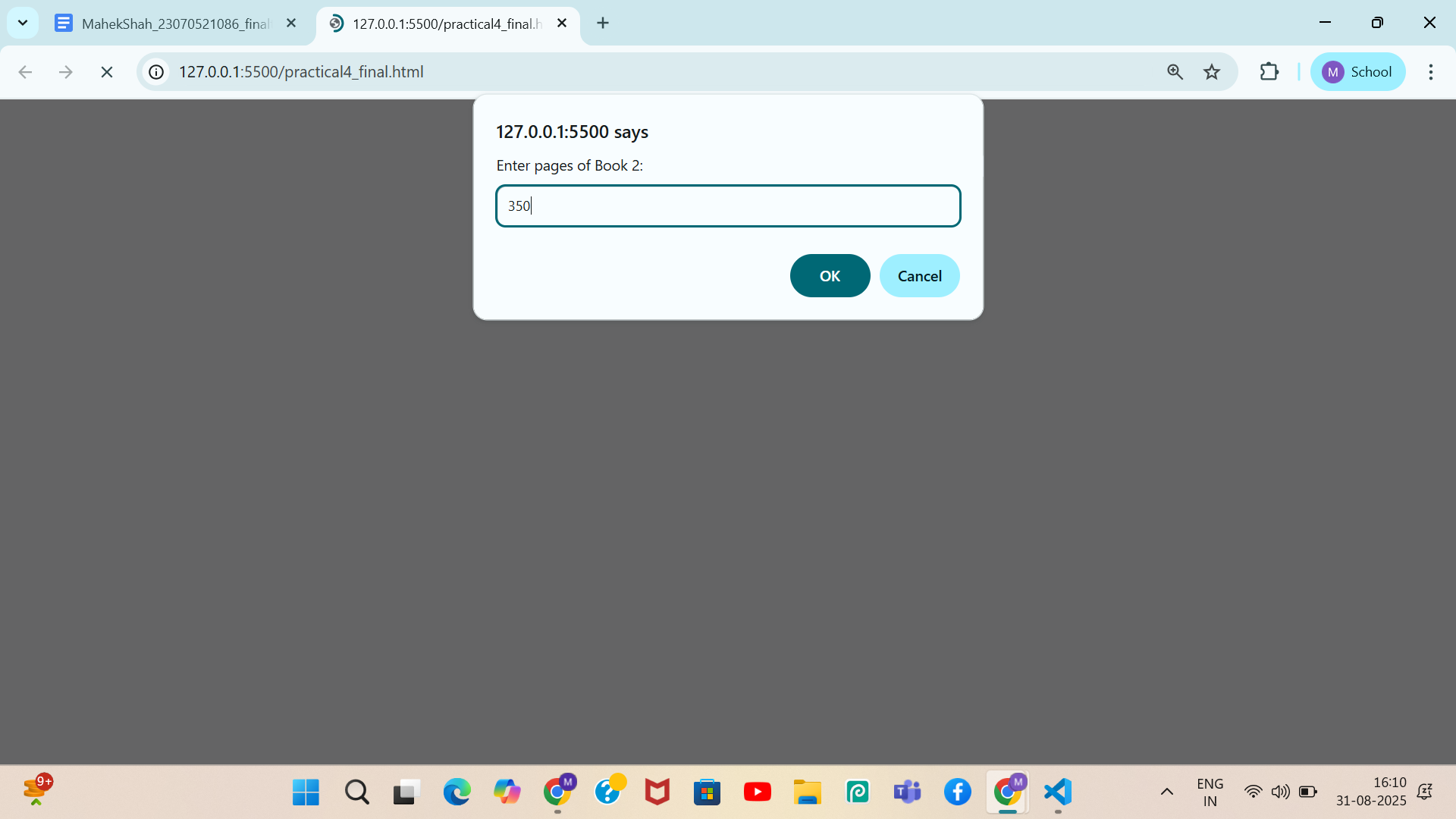
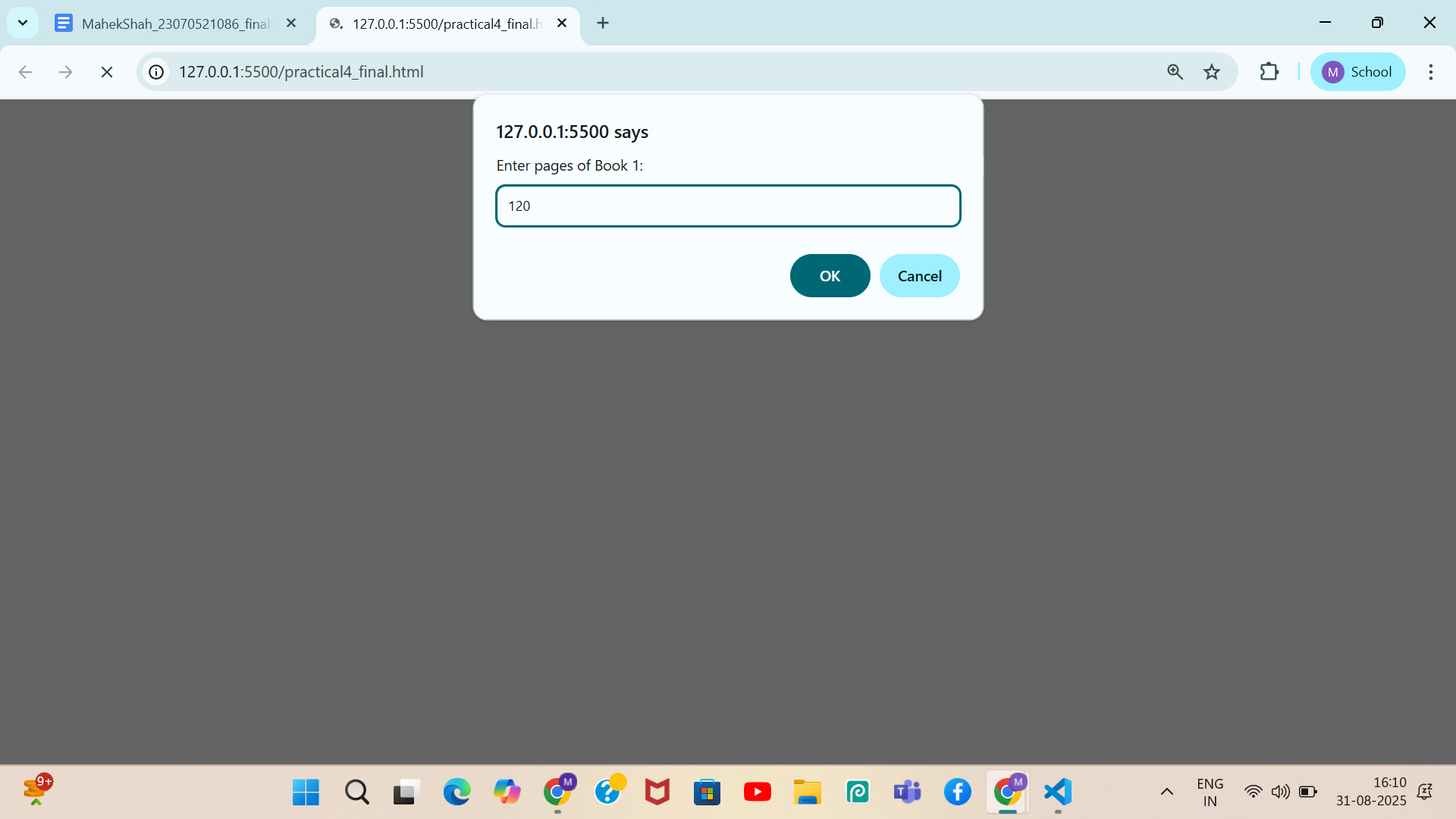
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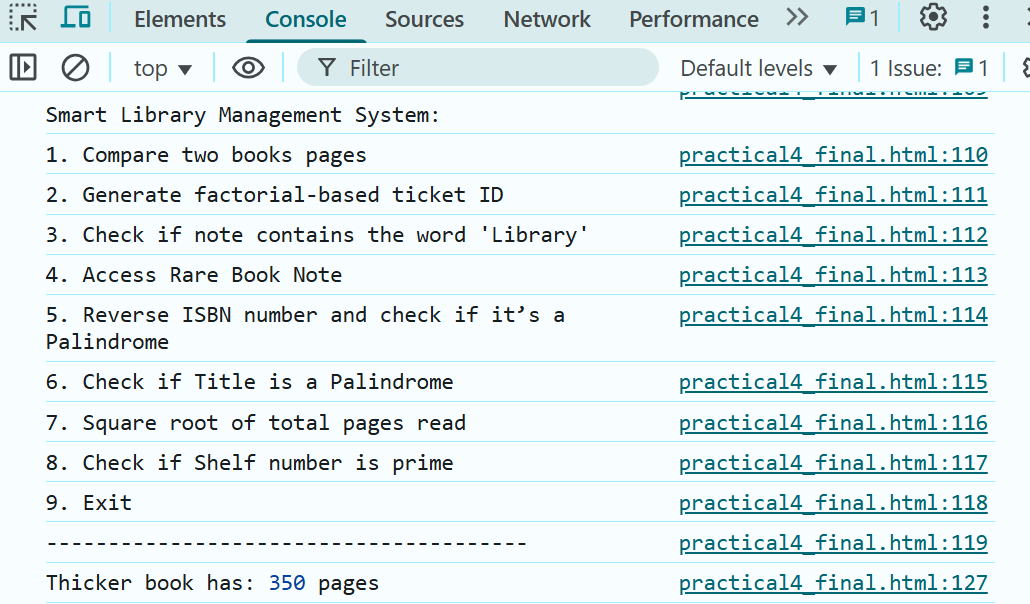
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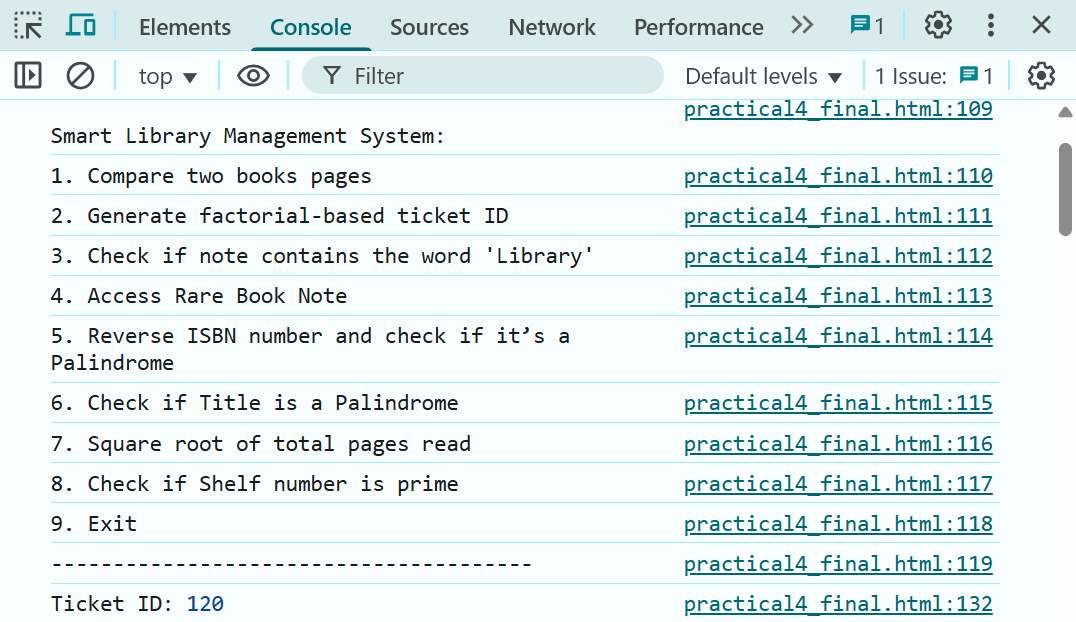
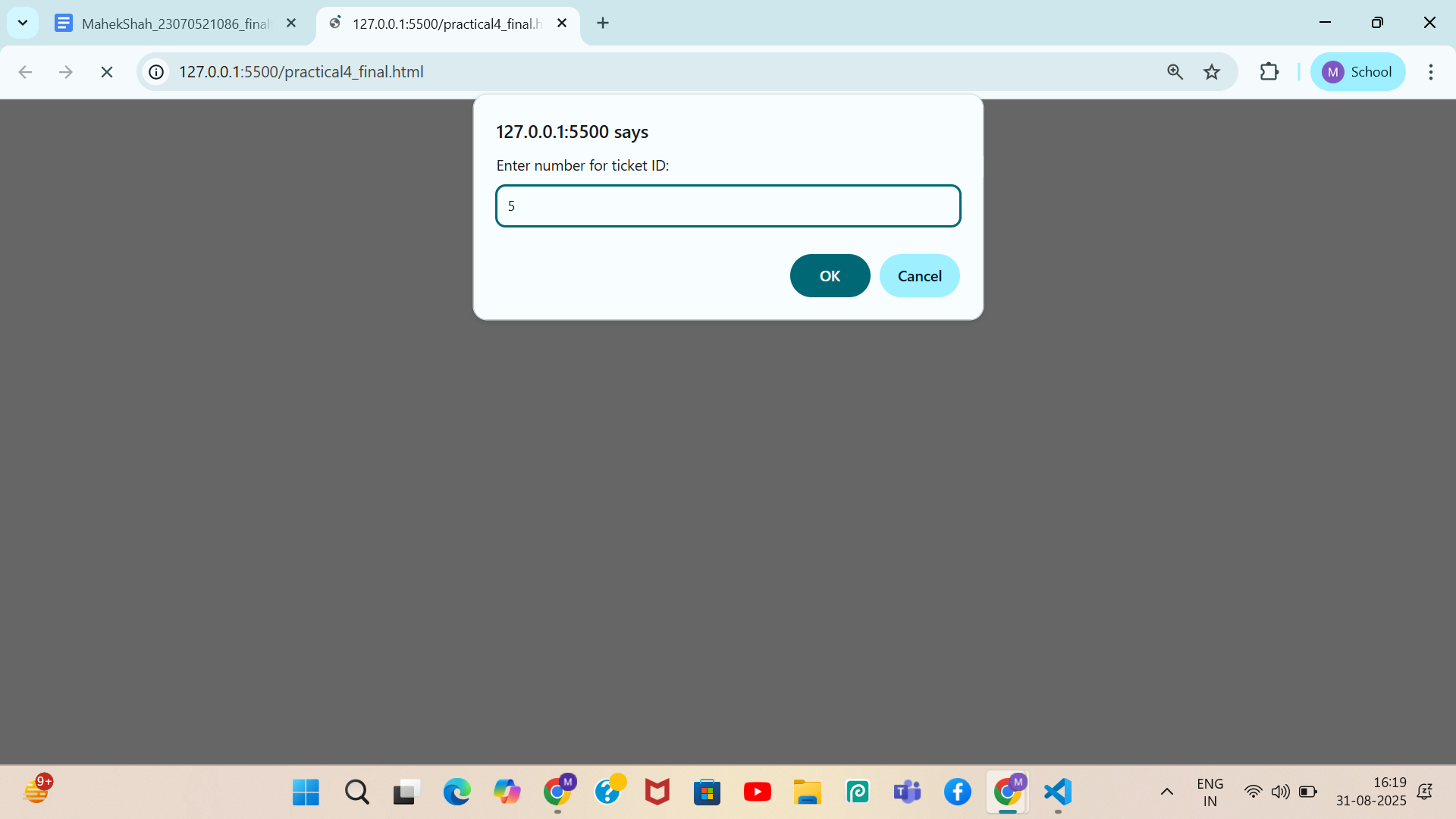
**OUTPUT :**

**Case 1:** Compare two books and return the one with more pages.

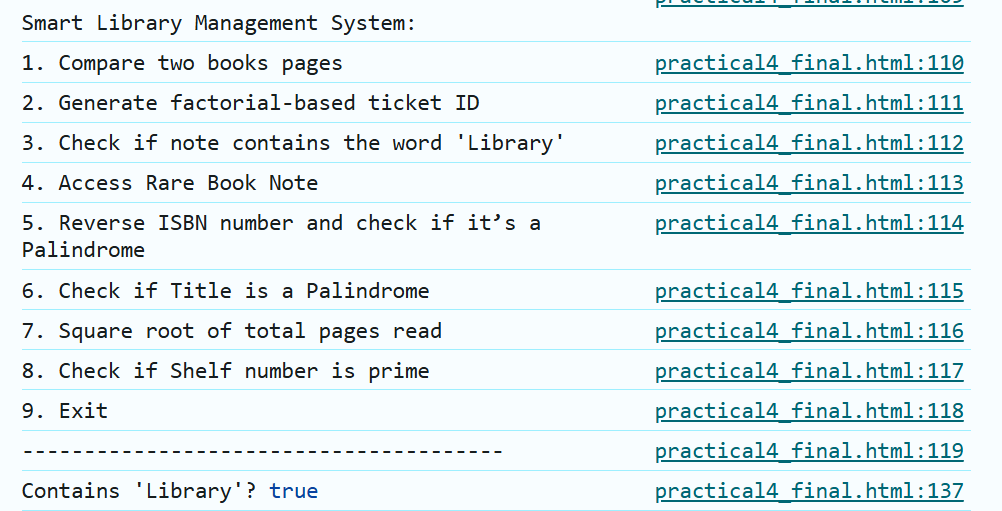
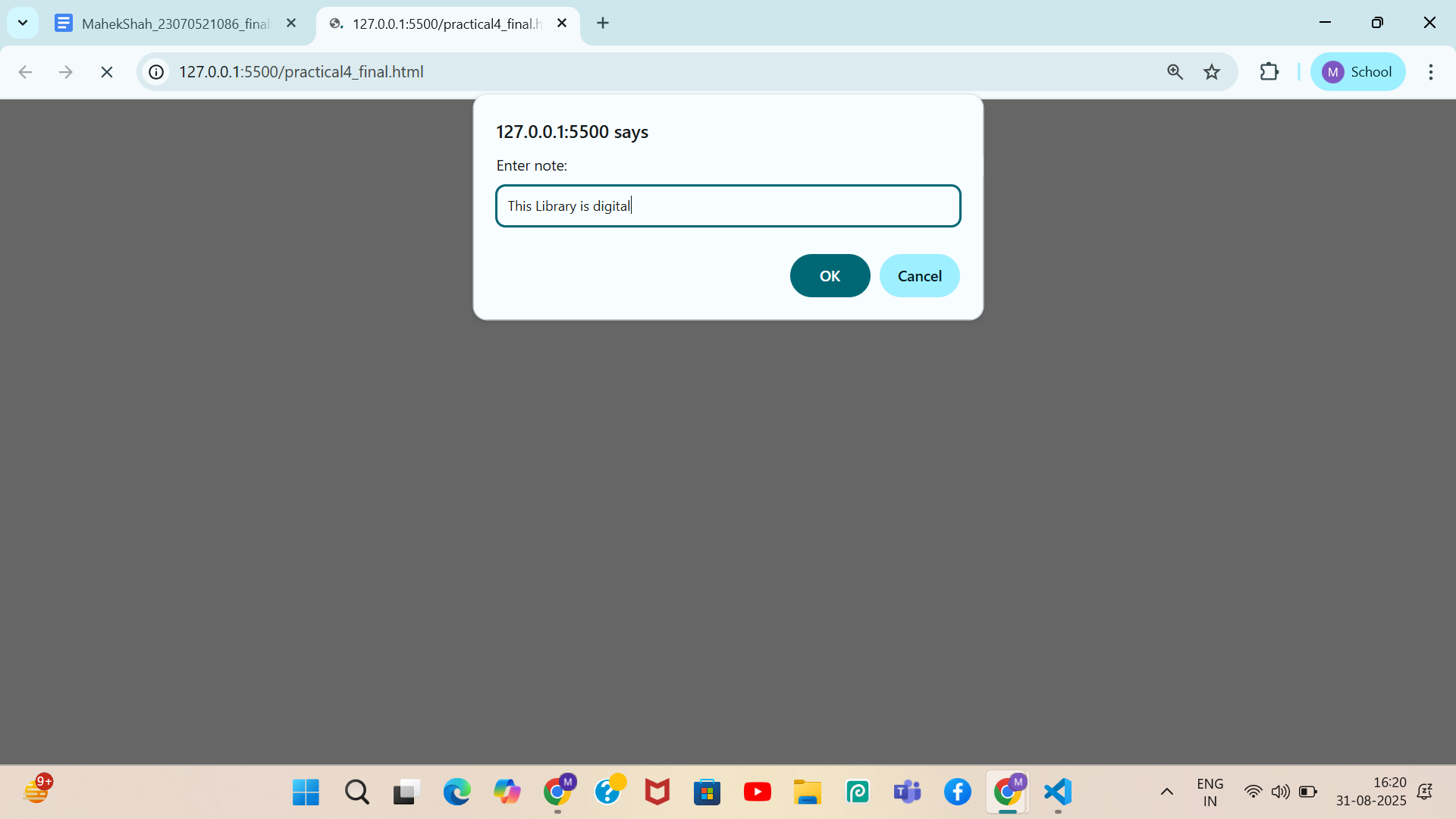
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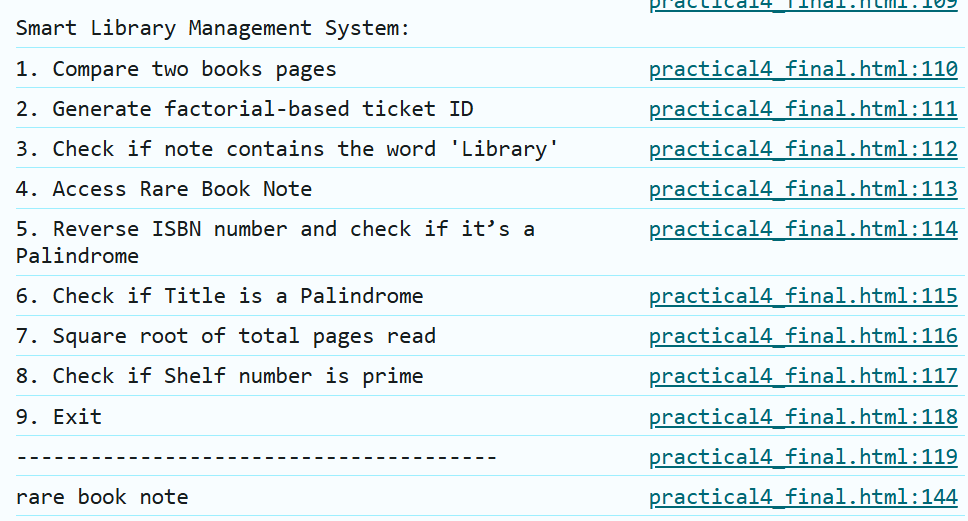
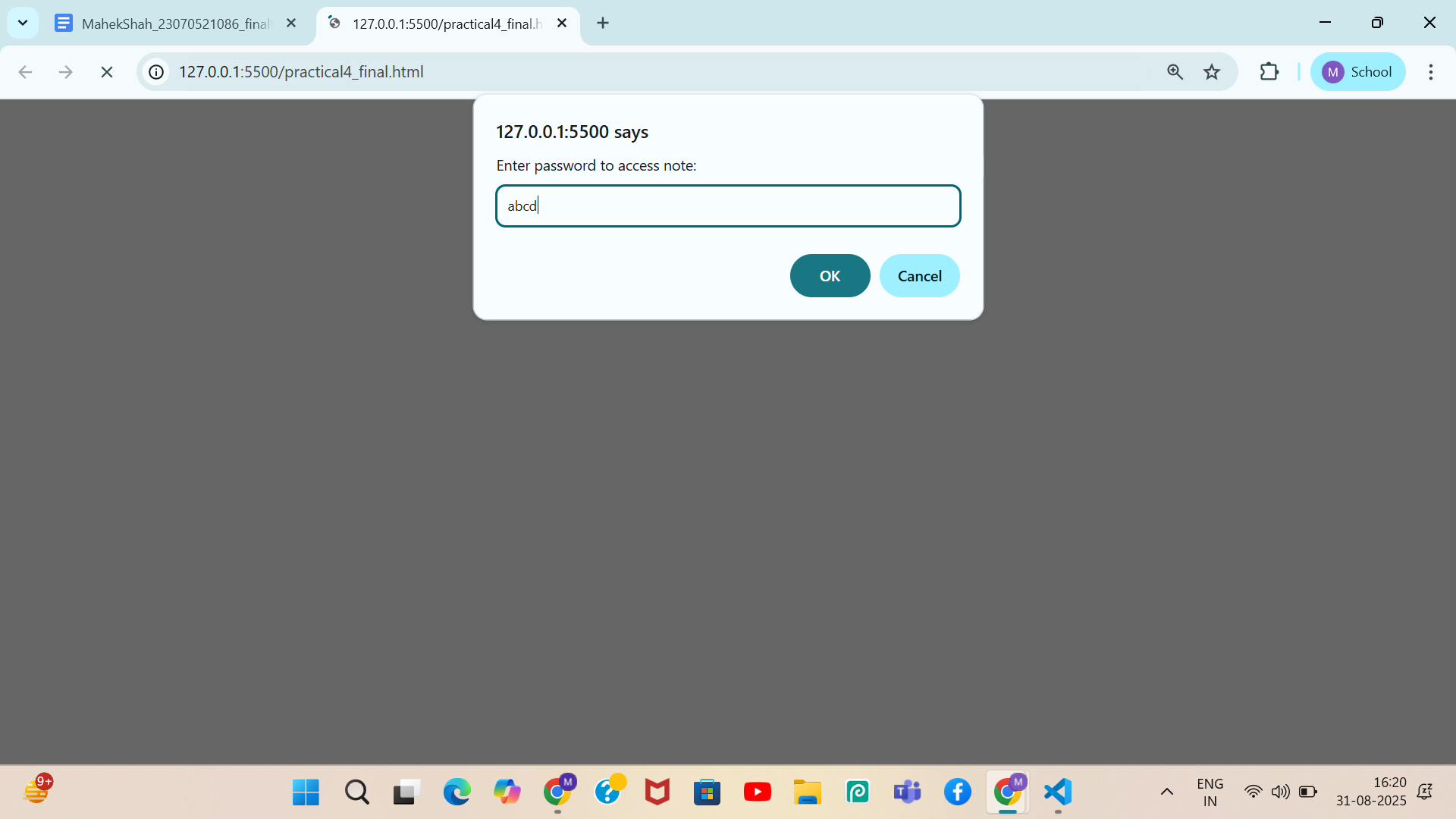
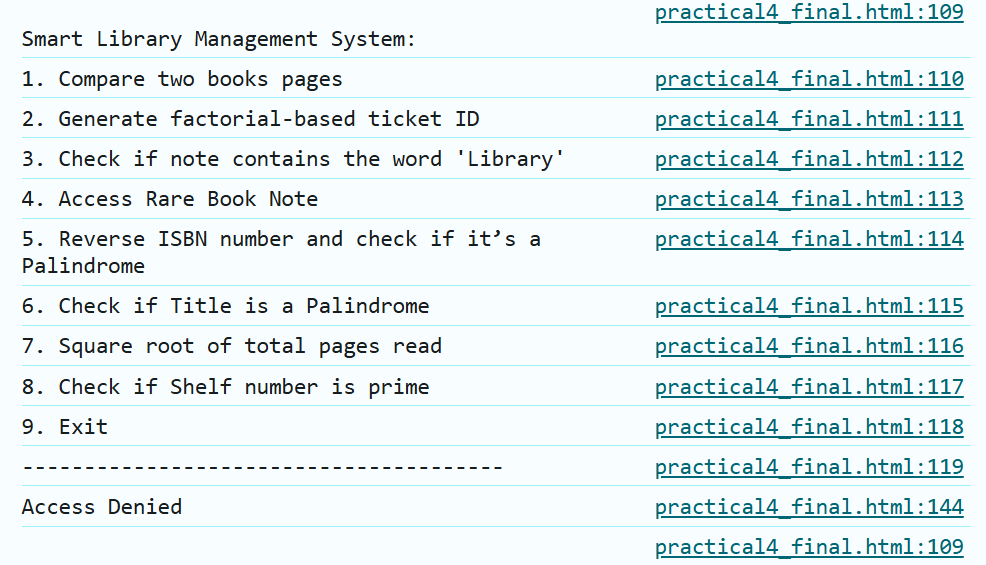
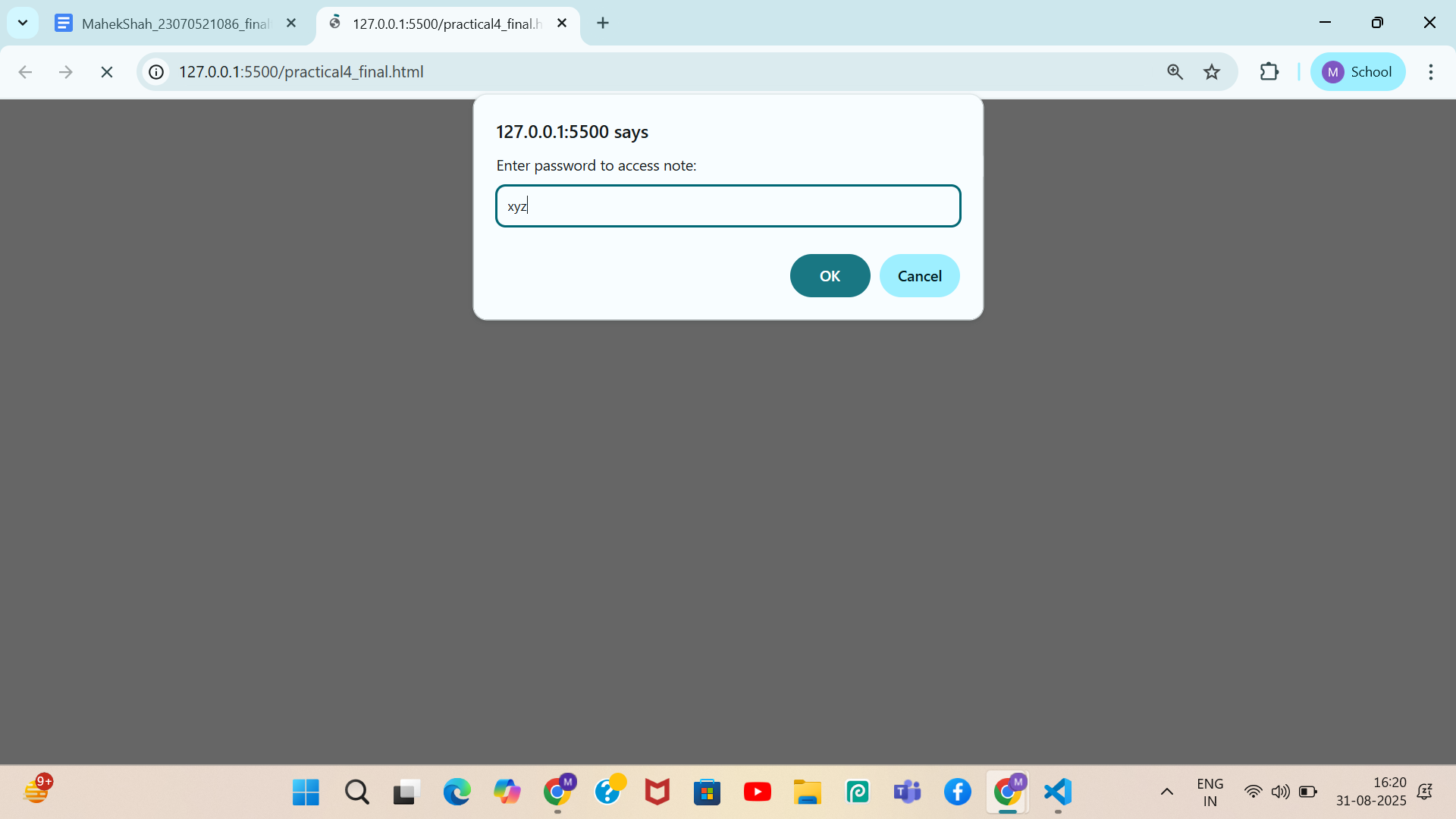
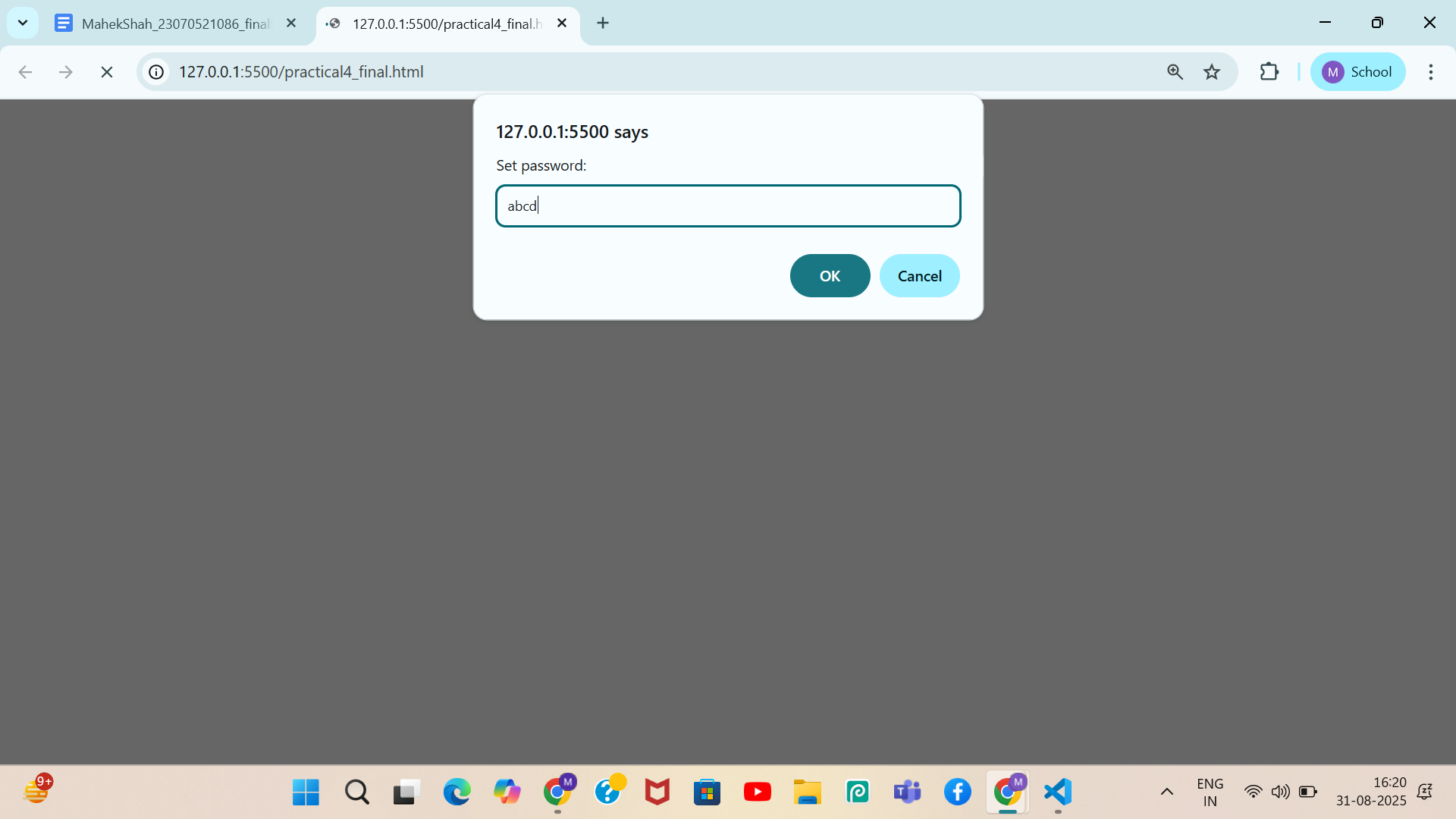
**Case2:** Generate a factorial-based library ticket ID.

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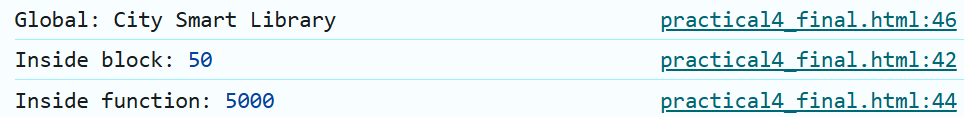
**Case3:** Check if a note contains the word “Library”

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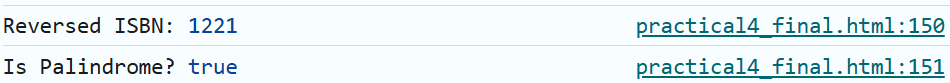
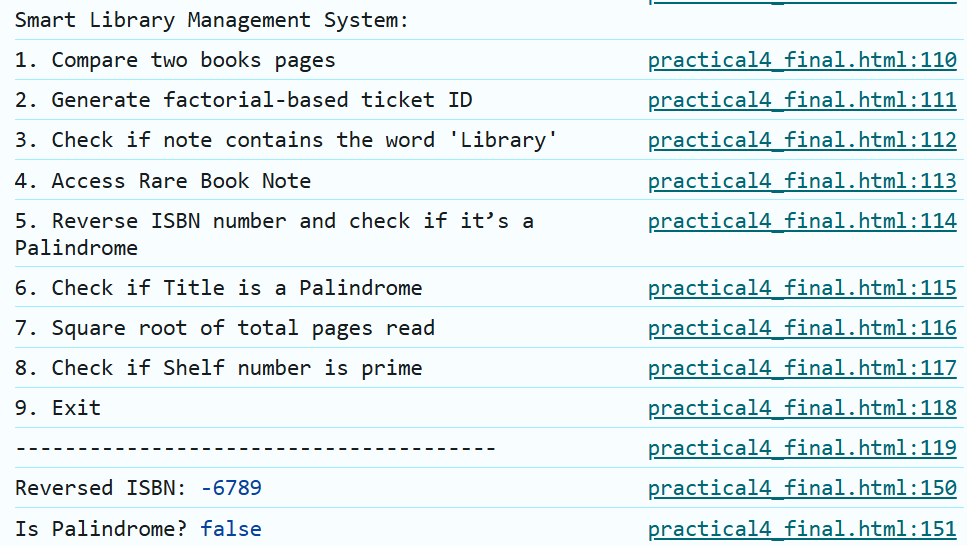
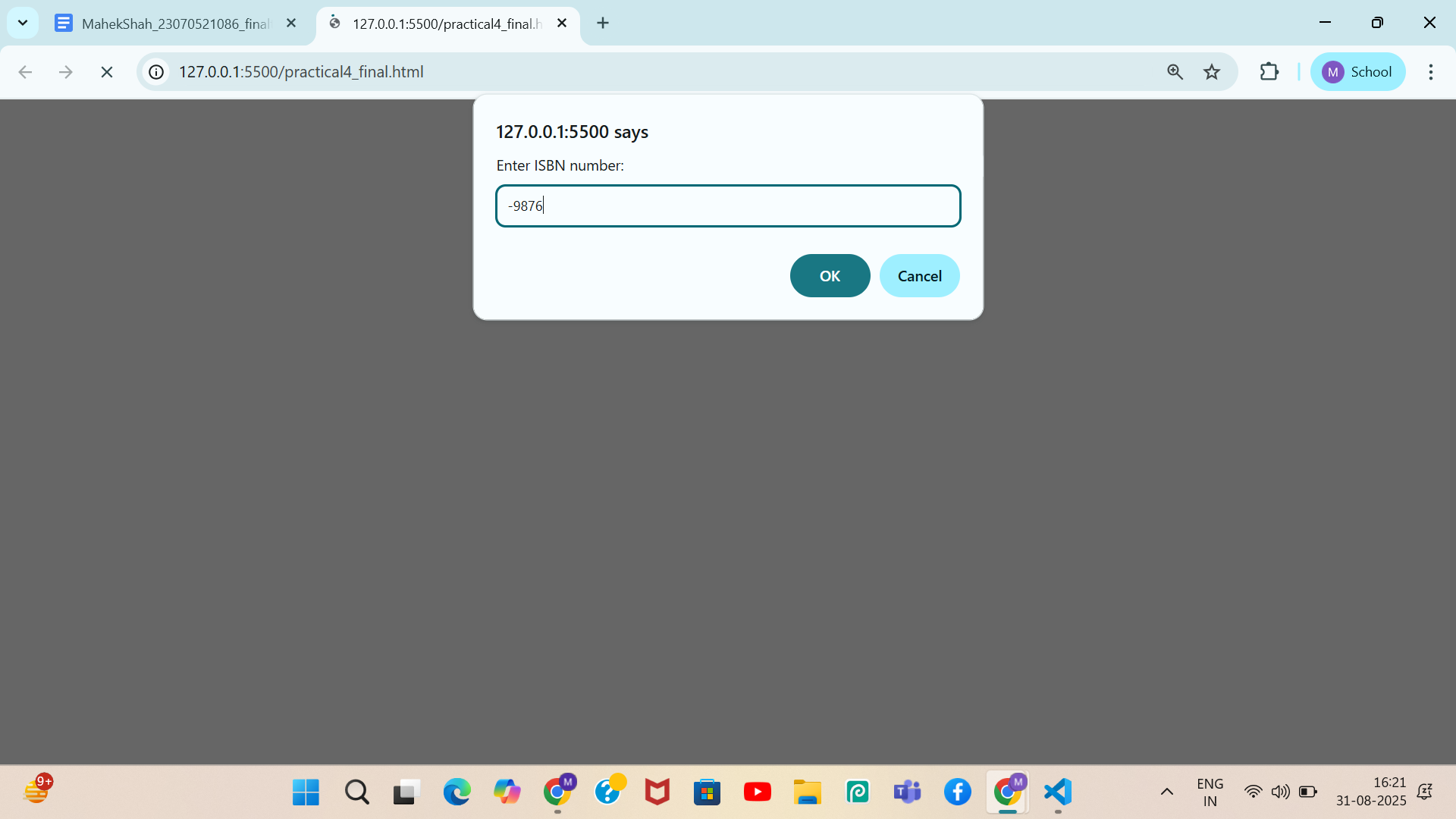
**Case 4:** Store and retrieve a rare book note using a closure

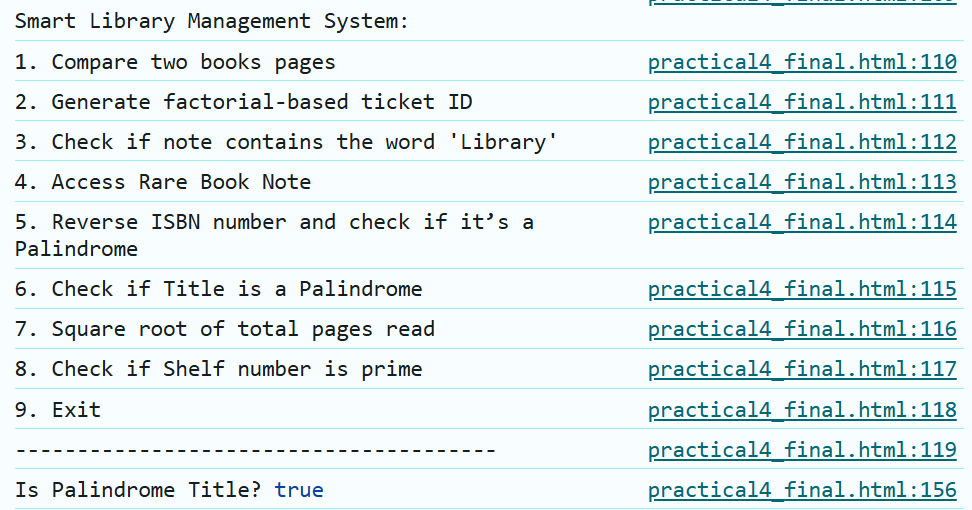
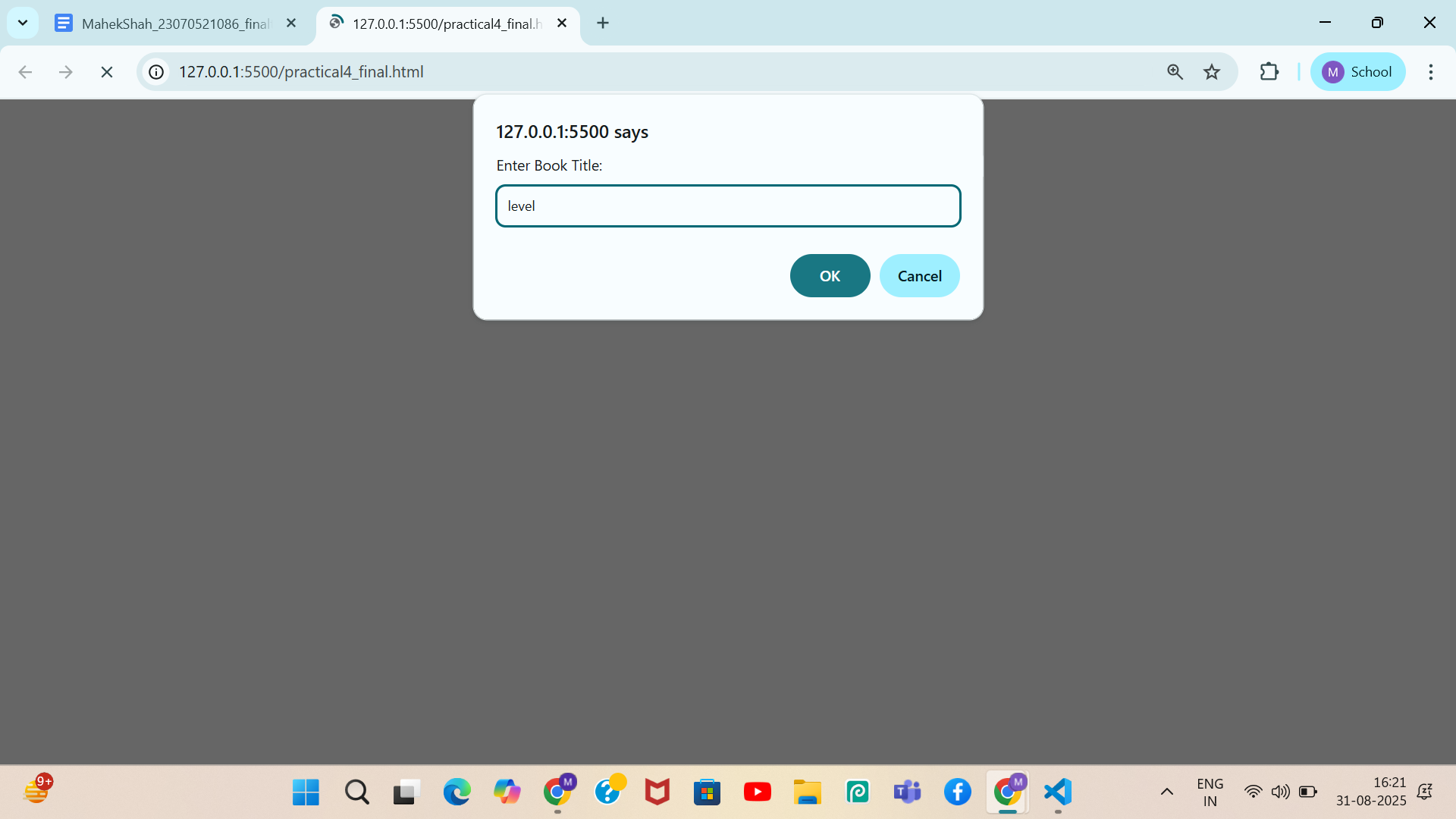
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**Scope Demo**

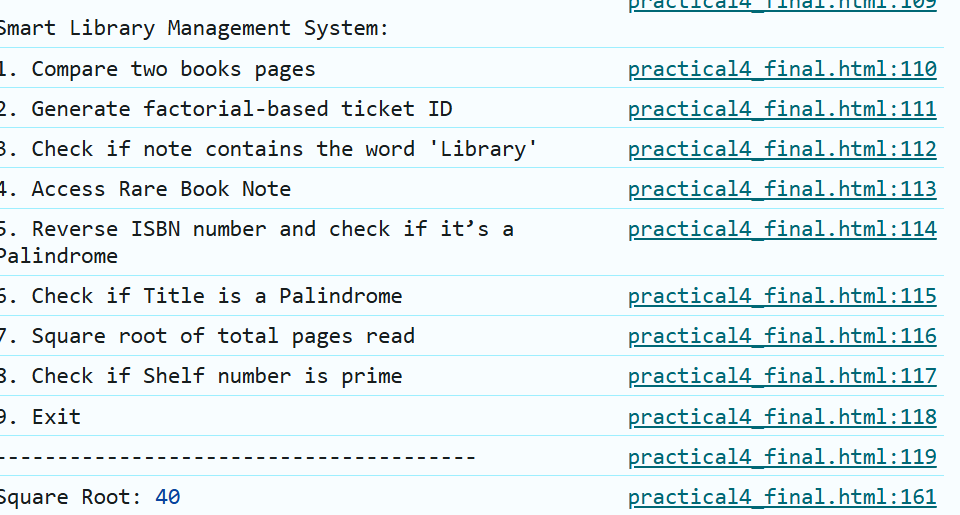
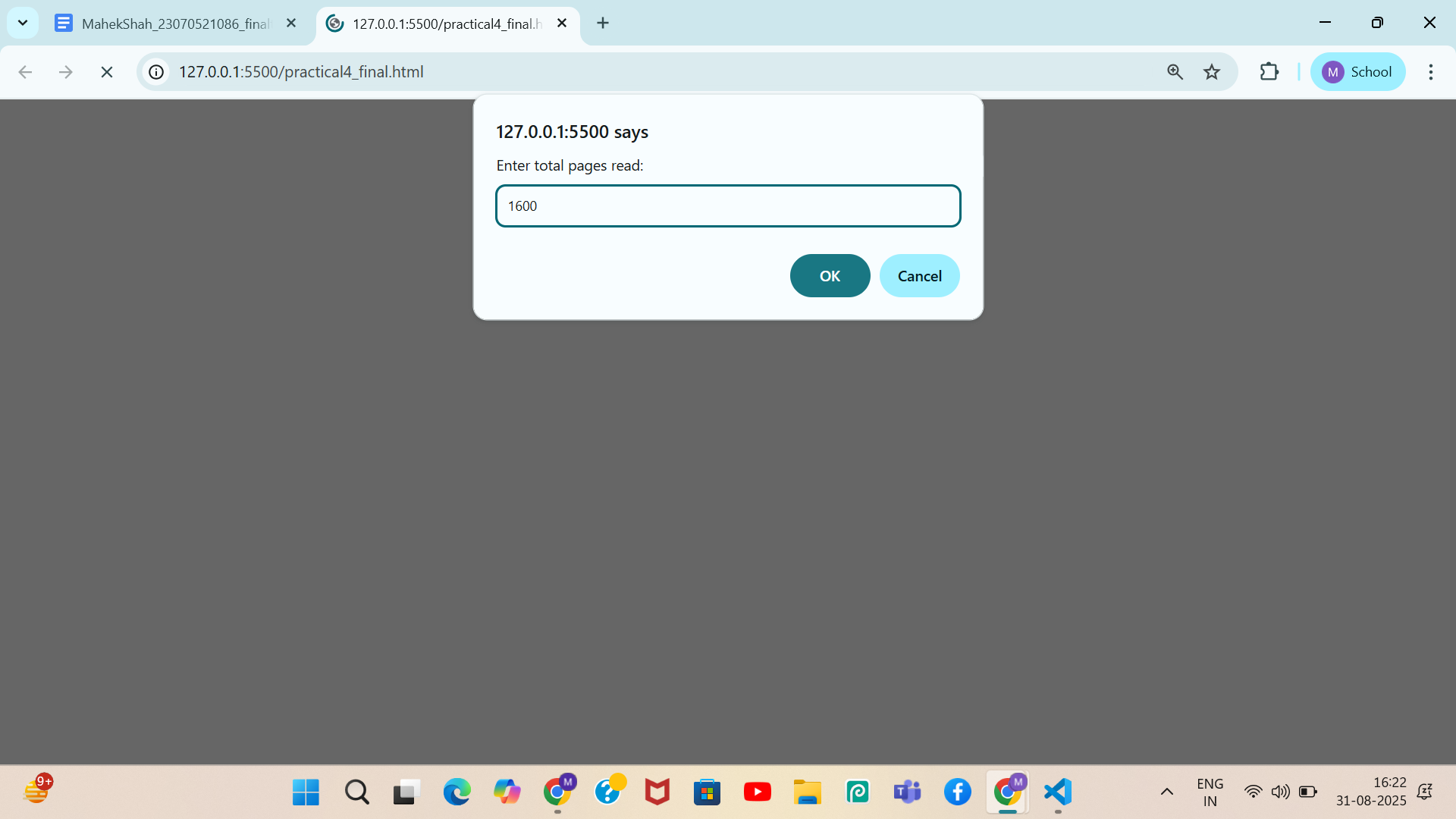
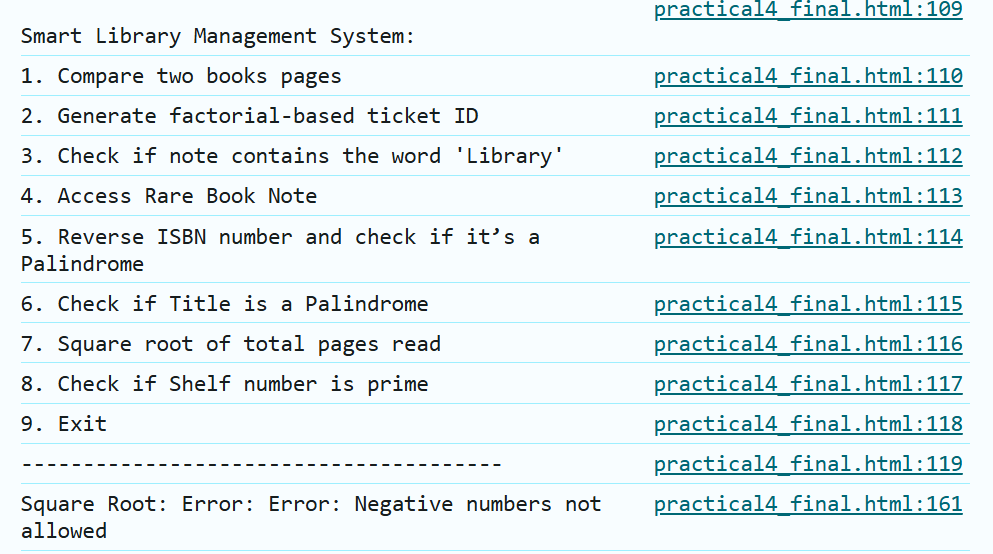
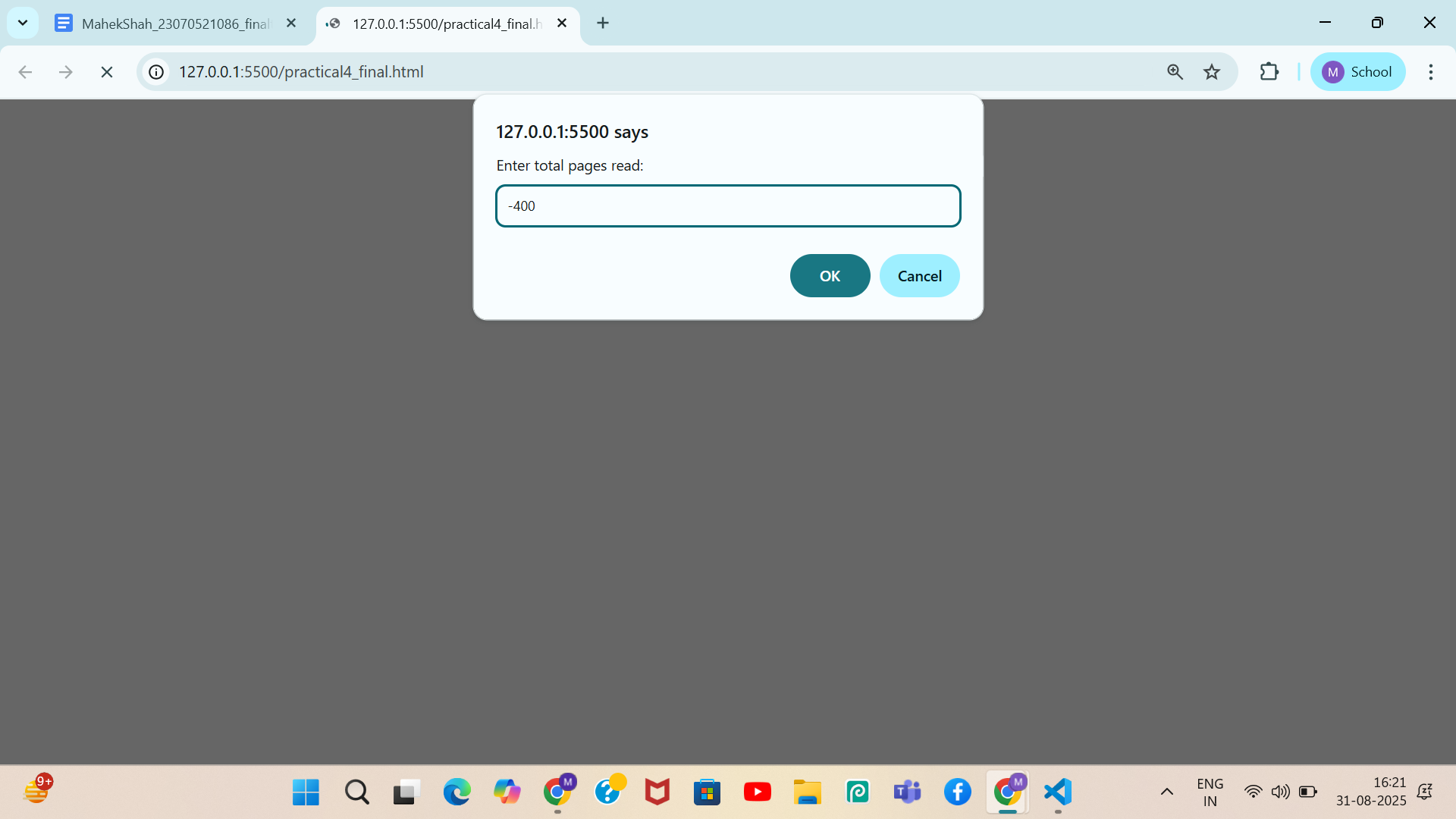
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**Case 5:** Reverse an ISBN number and check if it’s a palindrome

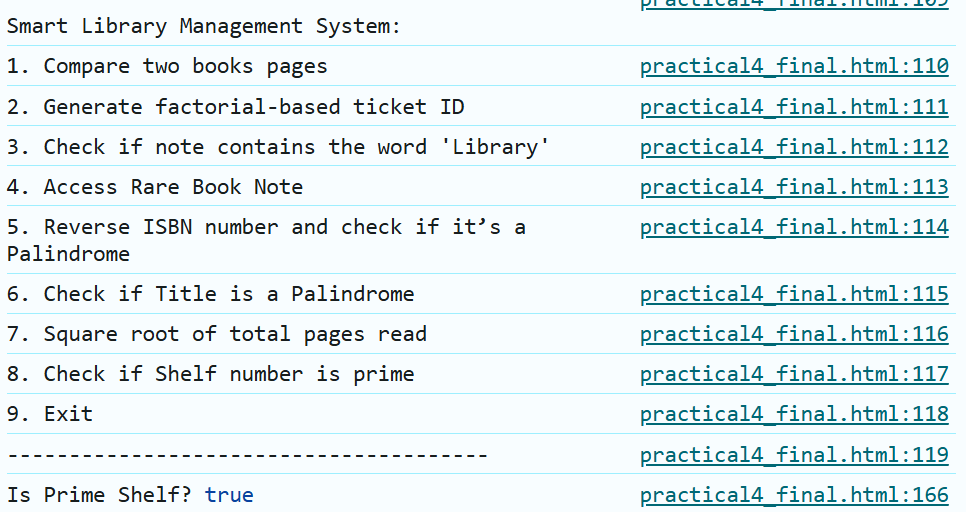
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**Case 6:** Check if a book title is a palindrome****

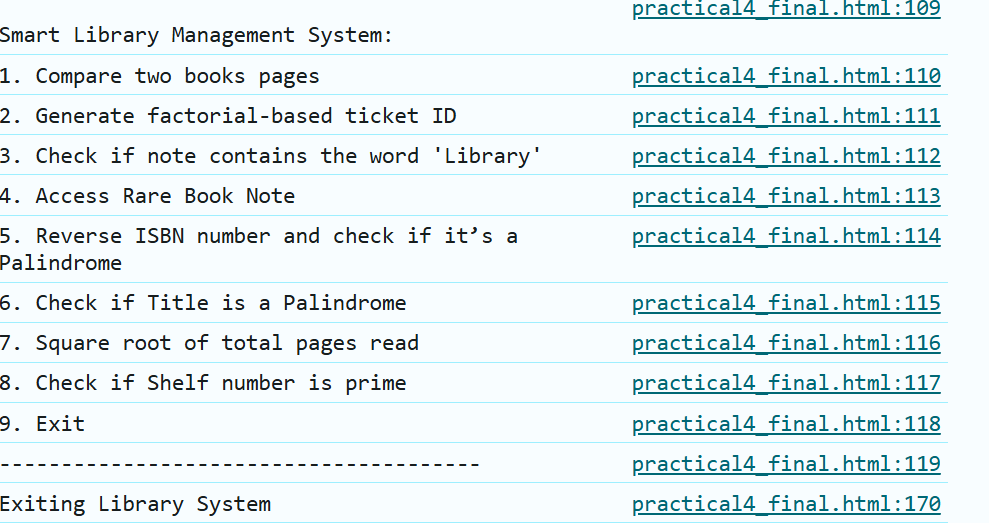
**Case 7:** Find the square root of total pages read with error handling

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**Case 8:** Check if a shelf number is prime

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**Case 9:** Exit

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