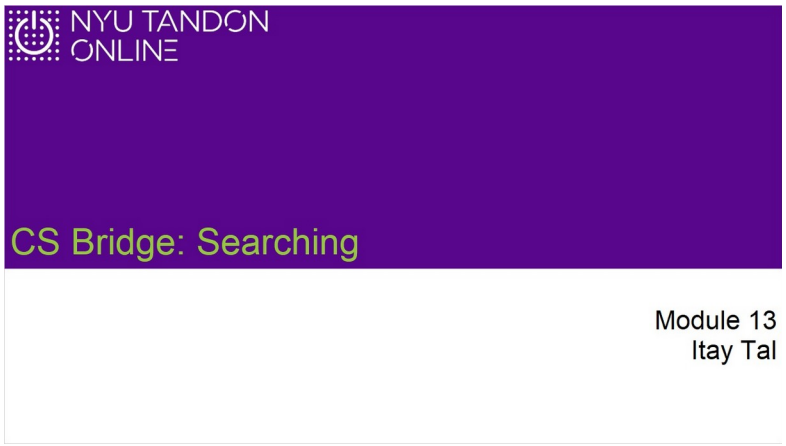
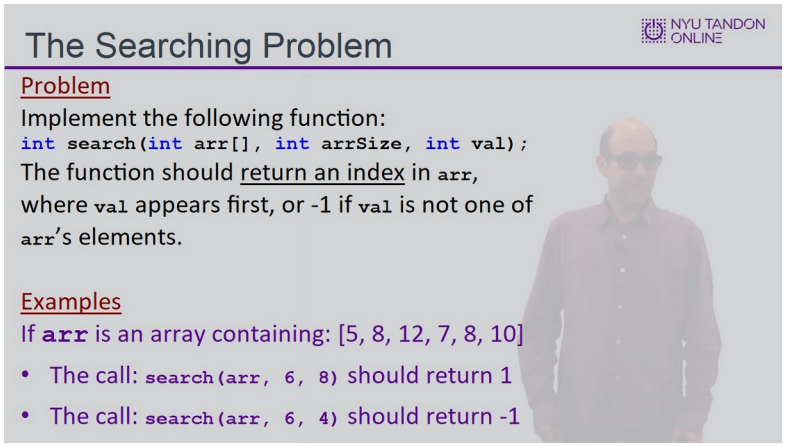
CS Bridge Module 13 Searching

1. Searching

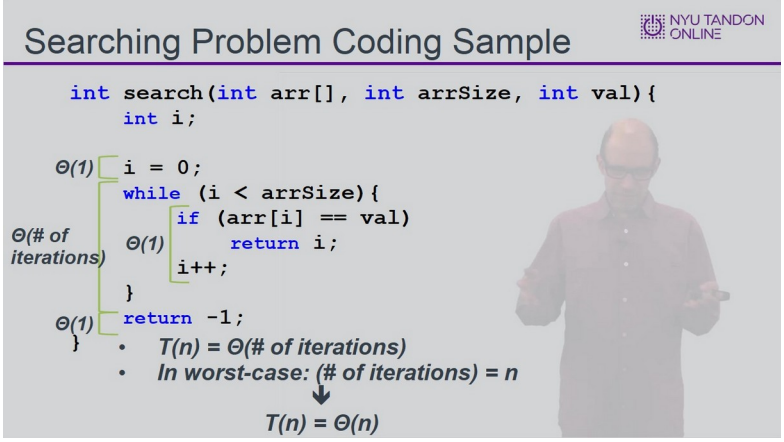
1.1 CS Bridge: Searching



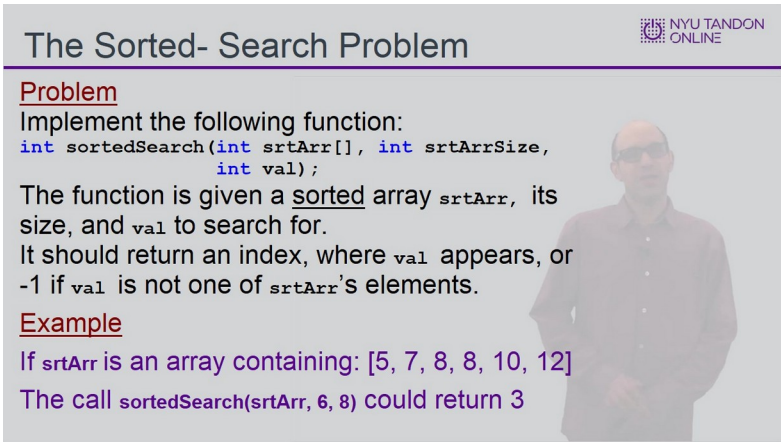
1.2 The Searching Problem



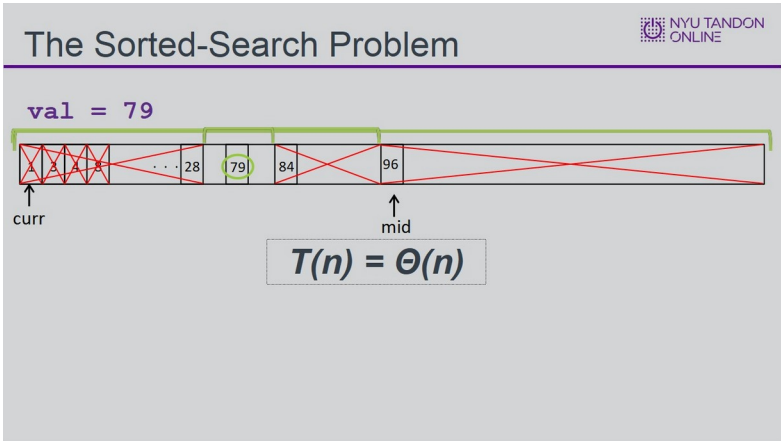
1.3 Searching Code Sample



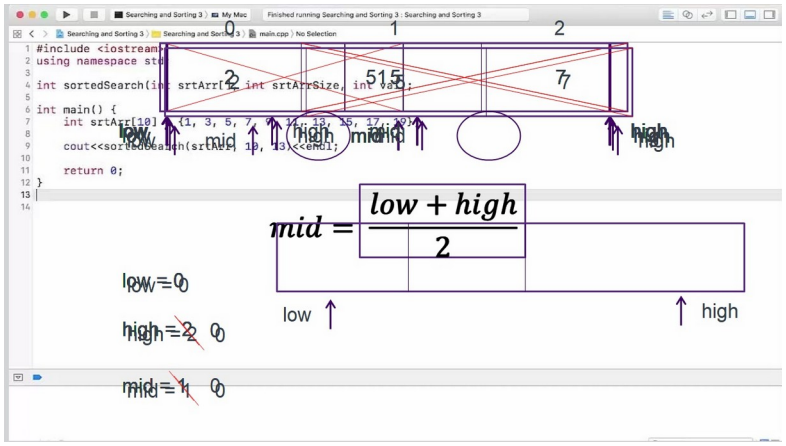
1.4 The Sorted-Search Problem



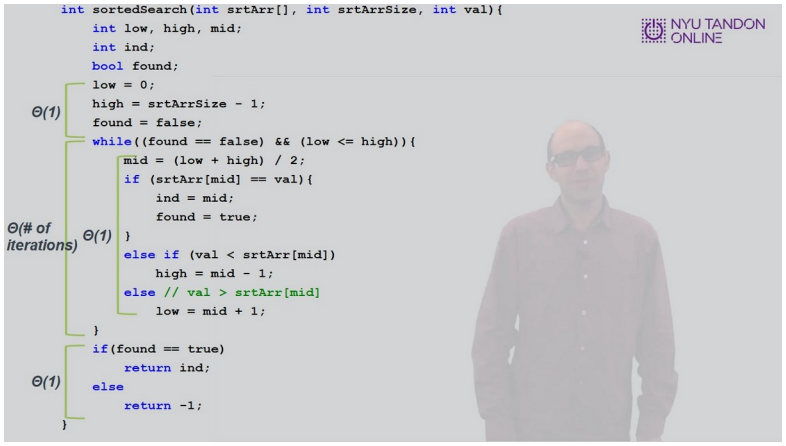
1.5 The Sorted-Search Problem



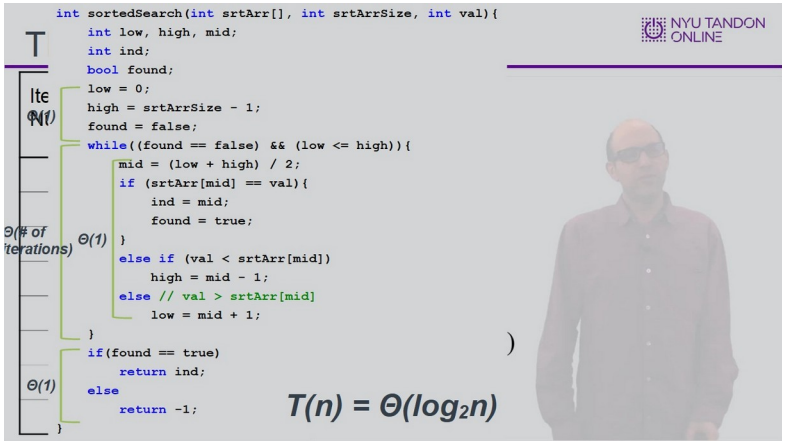
1.6 Sorted Search Implementation



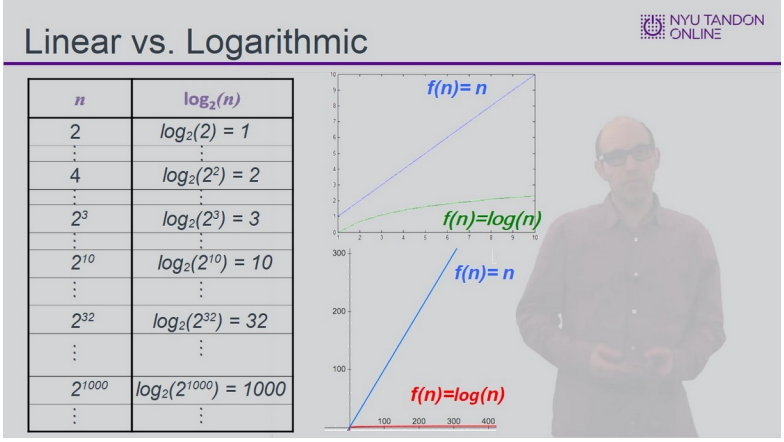
1.7 Implementation



1.8 The Sorted-Search Problem

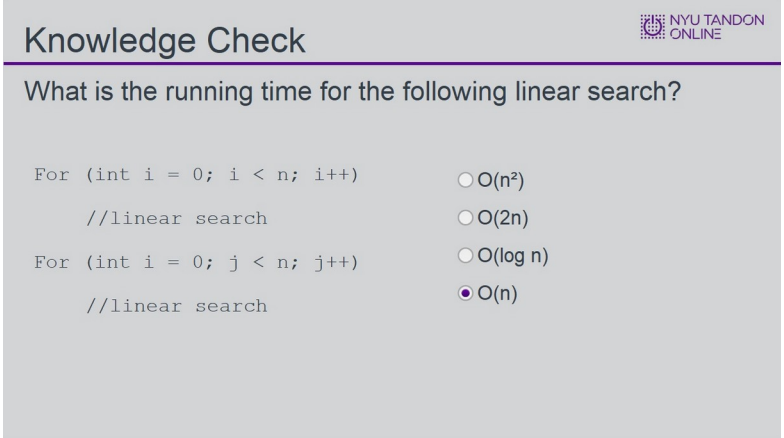


1.9 Linear vs Logarithmic



1.10 Knowledge Check

(Multiple Choice, 10 points, 5 attempts permitted)



Correct	Choice
	$O(n^2)$
	O(2n)
	O(log n)
X	O(n)

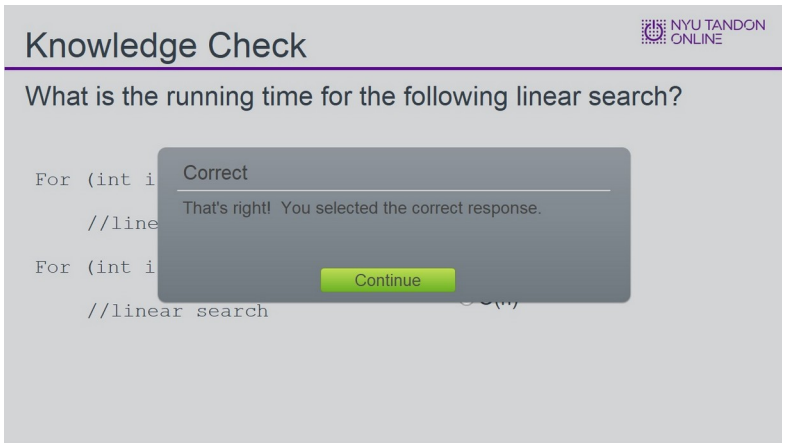
Feedback when correct:

That's right! You selected the correct response.

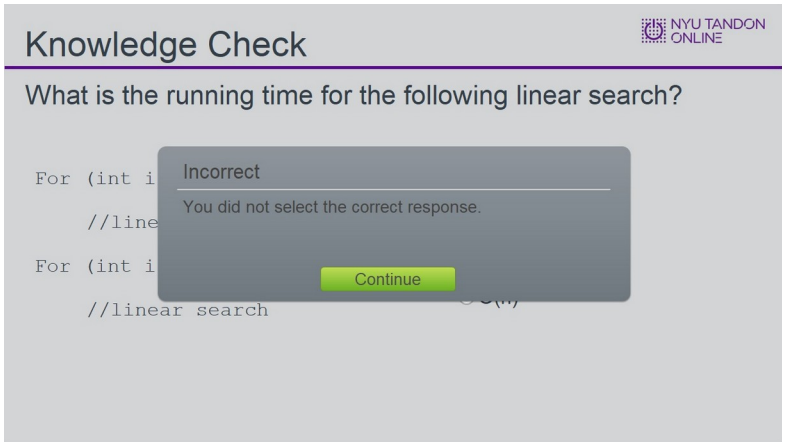
Feedback when incorrect:

You did not select the correct response.

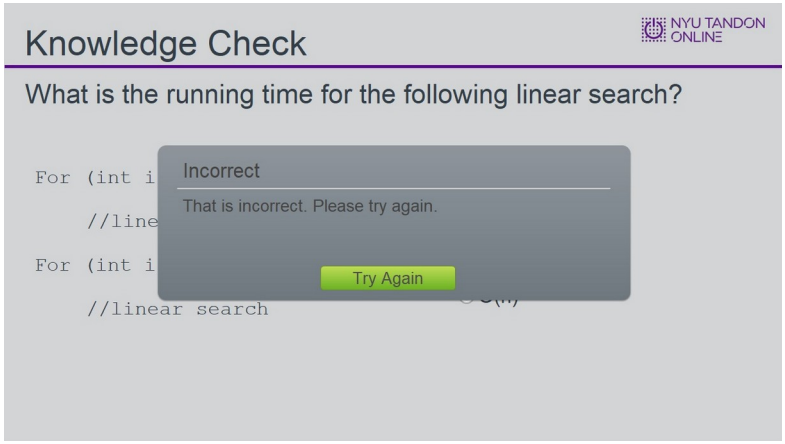
Correct (Slide Layer)



Incorrect (Slide Layer)

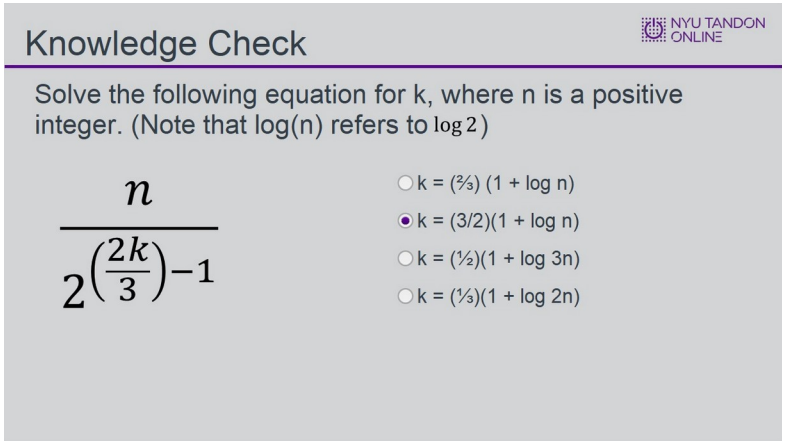


Try Again (Slide Layer)



1.11 Knowledge Check

(Multiple Choice, 10 points, 4 attempts permitted)



Correct	Choice
	k = (⅔) (1 + log n)
X	k = (3/2)(1 + log n)
	k = (½)(1 + log 3n)
	k = (⅓)(1 + log 2n)

Feedback when correct:

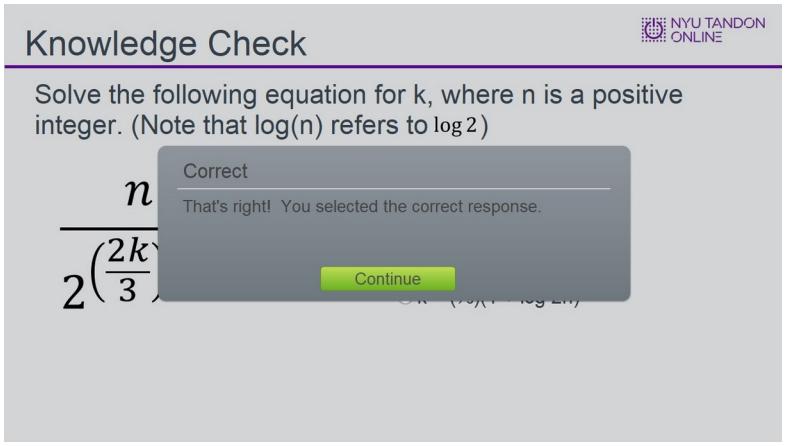
That's right! You selected the correct response.

Feedback when incorrect:

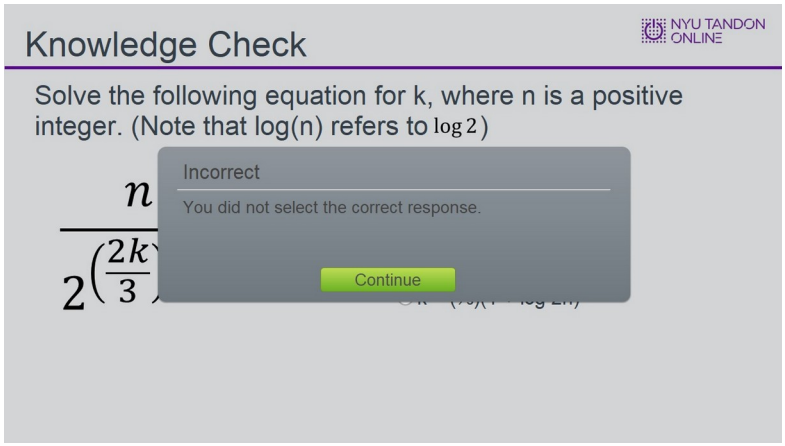
You did not select the correct response.

Notes:

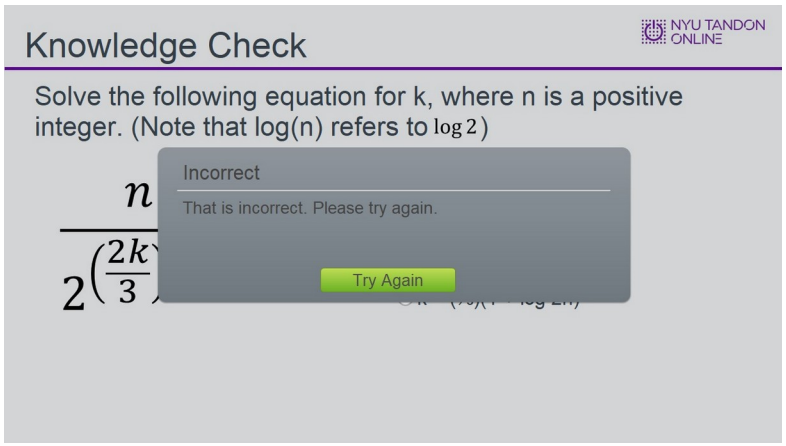
Correct (Slide Layer)



Incorrect (Slide Layer)



Try Again (Slide Layer)



1.12 End of Module