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## Higher SDD Worksheet 5 – Algorithms Count Occurrences

Name

The program below populates the Numbers array with 50 random numbers between 1 and 100. Using the Count Occurrences Algorithm Ask the user to enter a number to search for and count how many times that number appears in the numbers array.

```
Dim Numbers(50) As Integer
Dim Occurrences As Integer
Dim Target As Integer

For counter = 1 to 50

    Numbers(counter) = Int((100 * RND)+1)

Next

Target = inputbox("Please enter a target number")

Occurrences = 0

For counter = 1 to 50

    If numbers(counter) = target Then
        Occurrences = Occurrences + 1
    End If

Next

Msgbox("Your highest number is " & Occurances )
```



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