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TextWindow.ForegroundColor="cyan"

temp=0

**For** i=1 **To** 42

Array[i] = temp+3

TextWindow.WriteLine(" Array{"+i+"] = " +Array[i])

temp=temp+3

**EndFor**

TextWindow.WriteLine("")

TextWindow.Write("Insert number to search : ")

search=TextWindow.Read()

length=Array.GetItemCount(Array)

**For** i=1 **To** length

findIndex()

**EndFor**

**Sub** findIndex

low=0

high=length

found=""

**While** low <= high

mid = Math.Round((low + high) / 2)

**If** search < array[mid] **Then**

high = mid - 1

**ElseIf** search > array[mid] **Then**

low = mid + 1

**ElseIf** search = array[mid] **Then**

found = "True"

*'TextWindow.WriteLine("Found at "+mid)*

low=high+1

**EndIf**

**EndWhile**

**EndSub**

**If** found <> "True" **Then**

TextWindow.WriteLine(search + " has not been found")

**EndIf**

**If** found **Then**

TextWindow.WriteLine(search + " has been found at array["+mid+"]")

**EndIf**

TextWindow.WriteLine("")



