

Standard Algorithms – Pseudocode Examples

Finding Max/Min	Finding Max/Min with position
1. Minimum is set to first item in array [0] 2. Loop for each item in the array starting at second item 3. IF next item < Minimum THEN 4. Set Minimum to next item 5. End IF 6. End Loop	1. Minimum is set to first item in array [0] 2. SET position = 0 3. Loop (index) for each item in the array from second item 4. IF next item < Minimum THEN 5. Set Minimum to next item 6. position = index 7. End IF 8. End Loop
Count Occurences	Linear Search with Fixed Loop
1. Set counter = 0 2. Ask user to enter value to count (userInput) 3. Loop (index) for each item in the array 4. IF item(index) = userInput 5. Add 1 to counter 6. End IF 7. End Loop	1. Set found To False 2. Set position = 0 3. Ask user to enter value to find (userInput) 4. Loop (index) for each item in the array 5. IF item(index) = userInput 6. Set found To True 7. position = index 8. End IF 9. End Loop 10. IF found = True THEN 11. Display “Value Found at position ” + position 12. End IF
Linear Search with Conditional Loop	
1. Set found To False 2. Set index = 0 3. Ask user to enter value to find (userInput) 4. Start Conditional Loop 5. IF item(index) = userInput 6. Set found To True 7. position = index 8. End IF 9. Repeat until end of array OR found = True	