Linear Search

```
class Tester7 {


   public static int searchElement(int[] elements, int elementToBeSearched) {
      // Implementing Linear Search Algorithm
      for (int i = 0; i < elements.length; i++) {
         if (elements[i] == elementToBeSearched) {
            return i + 1; // returning the number of iterations
         }
      }
      return -1; // Element not found
   }


   public static void main(String[] args) {
      int[] elements = { 76, 24, 78, 98, 1 };
      int elementToBeSearched = 78;


      int numberOfIterations = searchElement(elements, elementToBeSearched);


      if (numberOfIterations == -1)
         System.out.println("Element not found!");
      else
         System.out.println("Element found! Number of iterations required to find the
element: " + numberOfIterations);
   }
}
```

```
C:\Users\Sarvesh\OneDrive\Desktop>javac Tester.java

C:\Users\Sarvesh\OneDrive\Desktop>java Tester
Details of Top Scorers & Low Scorers
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Neil (Min) -- 67.0
Ted (Max) -- 92.0
```