

4.) Why should we opt for isEmpty() over size?

Answer: Because it is more expressive - the code is simpler to read and to keep up and it is quicker, at times by significant magnitude.

5.) Compare and contrast the classic for loop versus foreach. What are the pros and cons of both sides?

Answer: A classic/ for loop requires a loop counter, beginning and end values, to emphasize through every one of the components of an array while foreach automates the emphasis by utilizing the iteration variable which stores one component each time they are both iterated.

<i>Pros</i>	<i>Cons</i>
<ul style="list-style-type: none">• The chance of programming mistakes is dispensed with.• It makes the code more readable.• There is no utilization of record or rather a counter in this loop.	<ul style="list-style-type: none">• It can't navigate through the components in reverse style.• You can't skip any component as the idea of index isn't there.• You can't decide to traverse to odd or even listed components as well.