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| **ArrayList** | **Vector** |
| 1) ArrayList is **not synchronized**. | Vector is **synchronized**. |
| 2) ArrayList **increments 50%** of current array size if the number of elements exceeds from its capacity. | Vector **increments 100%** means doubles the array size if the total number of elements exceeds than its capacity. |
| 3) ArrayList is **not a legacy** class. It is introduced in JDK 1.2. | Vector is a **legacy** class. |
| 4) ArrayList is **fast** because it is non-synchronized. | Vector is **slow** because it is synchronized, i.e., in a multithreading environment, it holds the other threads in runnable or non-runnable state until current thread releases the lock of the object. |
| 5) ArrayList uses the **Iterator** interface to traverse the elements. | A Vector can use the **Iterator** interface or **Enumeration** interface to traverse the elements. |