**Solution Tutorial 8**

1. It’s not a valid Syntax for array declarations. It will give compile time error : not a statement arr2[] = {11, 22, 33}
2. Error **:** length is applied only to find the size of array. If we are try get the size of string object, then we will get compile time error : cannot find symbol.
3. 5  
   97  
   10
4. line 4, 5, 6, 7
5. Compilation error
6. 12, 11, 13, 9, 15, 25
7. Array Index of bound exception
8. Throws ArrayIndexOutOfBoundsException
9. SUM=9
10. Ans:
    1. **Advantages:**
       1. We can put in place other data structures like stacks, queues, linked lists, trees, graphs, etc. in Array.
       2. Arrays can sort multiple elements at a time.
       3. We can access an element of Array by using an index.

**Disadvantages:**

* + 1. We have to declare Size of an array in advance. However, we may not know what size we need at the time of array declaration.
    2. The array is static structure. It means array size is always fixed, so we cannot increase or decrease memory allocation.
  1. No we cannot declare an array without assigning size