

Arrays Vs Structures

Array	Structure
i. Data Collection	
Array is a collection of homogeneous data.	Structure is a collection of heterogeneous data.
ii. Element Reference	
Array elements are referred by subscript.	Structure elements are referred by its unique name.
iii. Access Method	
Array elements are accessed by its position or subscript.	Structure elements are accessed by its variable along with the '.' operator.
iv. Data type	
Array is a derived data type.	Structure is user defined data type.
v. Syntax	
<code><data_type> array_name[size];</code>	<pre>struct struct_name { structure element 1; structure element 2; ----- ----- structure element n; }struct_var_nm;</pre>
vi. Example	

```
int rno[5];
```

```
struct item_mst  
{  
    int rno;  
    char nm[50];  
};
```

Additional References

- <http://www.exforsys.com/tutorials/c-plus-plus/c-structures.html>
- <http://mathbits.com/MathBits/CompSci/Structures/Define.htm>
- <http://www.pvtuts.com/cpp/cpp-struct-union>