

"Assignment 10"

- (1) The default value of Array for different data types are:-
 - (1) for integer $\Rightarrow 0$
 - (2) for boolean $\Rightarrow \text{false}$
 - (3) for string $\Rightarrow \text{null}$
 - (4) for float $\Rightarrow 0.0$
 - (5) for char $\Rightarrow 0$
- (2) No, we can not pass the negative number in Array size.
- (3) Array stored in Heap memory.
- (4) We can not change the size of array at runtime.
- (5) An array without a name. This type of array is created for instance use. Suppose if we define a add method and method ~~we~~ takes one argument for first time and the no. of arguments incremented by 1 for every time. ^{the equal to} To solve this problem we have two methods first is we overload add method 10 times but it is not optimal approach so we use Varargs or Anonyms Array with the help of this we don't need to overload method we pass all the arguments in an array by creating an array.

(6) To traverse an array we have two methods by for loop and for each loop.

by for loop we traverse array elements and also want to know the index and we traverse array elements ^{in reverse order} by decrementing for loop and for each loop is enhanced version of for loop. It is not possible to traverse array elements in reverse order with for each loop. we use this if we want to simply traverse array elements from start to end.

(7) length is the property of Array.
length() is the method of string.