"Assignment ⇒ 9"

(1) Array is a collection of similar type of data having continguous memory allocation. Array index always starts from 0 goes till (n-1) where n is the size of array. We use array because accessing elements in an array is faster and stores multiple values in a variable. Array are object in java.

(2) we have three methods to create an Array :-

(1) datatype [ ] reference variable name = new datatype [size of Array].

(2) datatype [ ] variable name;
    Variable name = new datatype [size of Array];

(3) datatype [ ] variable name = {elements that we store}; by using commas.

(3) No, we cannot change the size of array at run time.

(4) yes, we can declare an array without assigning the size of an array but using this syntax:-
    datatype[ ] variable name = {elements };

5) The default value of Array is 0.

6) 1 D array means single row multiple columns.

Ex⇒ int[] a = {3,4,5,6};

7) 2D array or Multidimensional array are arrays of array each element of M-D array is an array it self means multiple rows and multiple columns