

An example of 2D array:

```
class HelloWorld {
    public static void main(String[] args) {
        int arr[][]=new int[][]{{1,2,3},{4,5,6}};
        for(int i=0;i<2;i++){
            for(int j=0;j<3;j++){
                System.out.print(arr[i][j]);
                System.out.println();
            }
            show(arr);
        }
        static void show(int arr[][]){
            for(int i=0;i<2;i++){
                for(int j=0;j<3;j++){
                    System.out.print(arr[i][j]);
                    System.out.println();
                }
            }
        }
    }
}
```

1. Initialize an integer array with ascii values and print the corresponding character values in a single row.
2. Write a program to remove the duplicate elements in an array and print
3. Write a program to find the largest 2 numbers and the smallest 2 numbers in the given array
4. Write a program to initialize an array and search a given element
5. Write a program to initialize an array and print them in a sorted fashion
6. Print an array that contains the exact same numbers as the given array, but rearranged so that all the even numbers come before all the odd numbers. Other than that, the numbers can be in any order. You may modify and return the given array, or make a new array.
7. Given an array of type int, print true if every elements is 1 or 4
8. Given 2 int arrays, a and b, each length 3, return a new array length 2 containing their middle elements. E.g.
middleWay([1, 2, 3], [4, 5, 6]) â†’ [2, 5]
middleWay([7, 7, 7], [3, 8, 0]) â†’ [7, 8]
9. Write a program to reverse the elements of a given 2*2 array. Four integer numbers needs to be passed as Command Line arguments.
10. Write a program to find greatest number in a 3*3 array.

The program is supposed to receive 9 integer numbers as command line arguments.

11. Return a version of the given array where all the 10's have been removed.

The remaining elements should shift left towards the start of the array as

needed, and the empty spaces at the end of the array should be 0. So

{1, 10, 10, 2} yields {1, 2, 0, 0}. You may modify and return the given

array or make a new array.

12. Write a program to print the sum of the elements of the array with the given below condition.

If the array has 6 and 7 in succeeding orders, ignore 6 and 7 and the numbers between them for the calculation of sum.