#   艮  C  层 -u_ 

## [PostMid] Homework 08 [Array]

Note: All tasks required to be implemented using array.

## Task 1:

Write a program to declare integer type array of size 10. Initialize randomly by 1-99. Print array values. Also calculate \& print sum and average.

## Task 2:

Write a program to declare character type array of size 10 . Initialize randomly by ' $\mathrm{A}^{\prime}$ ' Z '. Print array values. Find maximum and minimum letter.
Hint 1: use type casting like: c[i]=(char)(Math.random()*26+'A')
Hint 2: use char type variables for min, max and simply compare like numbers like if (max<c[i])

## Task 3:

Write a program to input date from user. Input day, month \& year separately. Using stored array of days in each month validate date entered with single if check.

## Task 4:

Write a program to declare integer type array of size 10. Initialize randomly by 1-99. Print array values. Take input from user to find element inside array. Find and print index if element found in array otherwise print not found.

## Task 5:

Write a program to declare two integer type arrays of size 5 . Initialize randomly by 1-9. Print both arrays in separate lines. Print their sum and average. Also print which of them has greater sum.

## Task 6:

Write a program to declare two integer type arrays having random size 3-8. Initialize both randomly by -50 to 50 . Print both arrays in separate lines.

## Task 7:

Write a program to declare integer type array of size 10 . Initialize randomly by 10-15. Print array values. Find repetition of each number within next array values. Like if array has values:
12131512141515141112
Show output:
122
130
152
121
141

## Task 8:

Write a program to declare integer type array of size 10 . Initialize randomly by 10-20. Print array values. Print values less than equal 15 in separate lines and values greater than 15 in separate line.

