

## Assignment-9

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**1. Write a program add the two integer array of size 5 and store the result in the third array.**

**Code:**

```
public class StoreValue { public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    int[] array1= {1,2,3,4,5};  
    int[] array2= {6,7,8,9,0};  
    int[] array3=new int[5];  
    for(int i=0;i='a' && arr[j]<='z') {  
        nm+=arr[j];  
    }  
    else  
    {  
        System.out.println(nm);  
    }  
}
```

**2. write a program to count the number of vowels and consonents in the given message.**

**Code:**

```
import java.util.Scanner;  
  
public class CountVovelsConsonent { public static void main(String[] args) {  
    // write a program to count the number of vowels and consonents in the given message.  
    Scanner sc = new Scanner(System.in);  
    System.out.println("Enter a message: ");  
    String message = sc.nextLine();  
    sc.close();  
    int vowelCount = 0, consonantCount = 0;  
    message = message.toLowerCase();  
    for (int i = 0; i < message.length(); i++) {  
        char c = message.charAt(i);
```

```

if (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u') {
    vowelCount++;
}

else if (c >= 'a' && c <= 'z') {
    consonantCount++;
}

}

System.out.println("Vowels: " + vowelCount);
System.out.println("Consonants: " + consonantCount);
}
}

```

**5. Repeated Salary Count:** John is working as a clerk in an organization where N number of people are working. His boss has asked him to get the count of employees who get same salary. Help him to get the count of repeated salary.

**Code:**

```

import java.util.HashMap;
import java.util.Scanner;

public class SalaryCount { public static void main(String[] args) {

    // TODO Auto-generated method stub

    Scanner scanner=new Scanner(System.in);

    int size=scanner.nextInt();

    int[] arr=new int[size];

    for (int i=0;i < size; i++) {
        salaryCount = new HashMap<>();
        if (salaryCount.containsKey(arr[i]))
        {
            salaryCount.put(arr[i], salaryCount.get(arr[i]) + 1);
        }
        else {
            salaryCount.put(arr[i], 1);
        }
    }
}
}

```

```

    }
}
int repeaters = 0;
for (int count : salaryCount.values()) {
    if (count > 1) {
        repeaters++;
    }
}
return repeaters;
}
}

```

**Q6. 3.maximumSum:** Read the question carefully and follow the input and output format. Given an Integer array, find out sum of Even and odd Numbers individually and find the maximum.

**Code:**

```

import java.util.Scanner;

public class Question_6 { public static void main(String[] args) {

    // TODO Auto-generated method stub

    Scanner scanner = new Scanner(System.in);

    int size = scanner.nextInt();

    if (size < 0) {

        System.out.println("Invalid array size");

    }

    Else {

        int[] num = new int[size];

        for (int i = 0; i < size; i++) {

            num[i] = scanner.nextInt();

        }

        System.out.println(UserMainCode1.maximumSum(num, size));

    }
}
}

```

```
}  
}  
class UserMainCode1 {  
static int maximumSum(int numbers[], int size) {  
    if (size < 0) {  
        System.out.println("Invalid array size");  
        return 0;  
    }  
    int evenSum = 0;  
    int oddSum = 0;  
    for (int i = 0; i < size; i++) {  
        if (numbers[i] < 0) {  
            System.out.println("Invalid input");  
            return 0;  
        }  
        if (numbers[i] % 2 == 0) {  
            evenSum += numbers[i];  
        }  
        else {  
            oddSum += numbers[i];  
        }  
    }  
    return Math.max(evenSum, oddSum);  
}
```