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import java.util.*;

class Rearrange {
    String wrd;
    String newwrld;

    public Rearrange() {
        wrd = "";
        newwrld = "";
    }

    public void readword() {
        try (Scanner sc = new Scanner(System.in)) {
            System.out.print("Enter the word:");
            wrd = sc.next();
            wrd = wrd.toUpperCase();
        }
    }

    public void freq_vow_con() {
        int v = 0;
        int c = 0;
        for (int i = 0; i < wrd.length(); i++) {
            char ch = wrd.charAt(i);
            if (Character.isLetter(ch)) {
                switch (ch) {
                    case 'A':
                    case 'E':
                    case 'I':
                    case 'O':
                    case 'U':
                        v++;
                        break;
                    default:
                        c++;
                }
            }
        }
        System.out.println("Frequency of vowels: " + v);
        System.out.println("Frequency of consonants: " + c);
    }

    public void arrange() {
        String v = new String();
        String c = new String();
        for (int i = 0; i < wrd.length(); i++) {
            char ch = wrd.charAt(i);
            if (Character.isLetter(ch)) {
                switch (ch) {
```

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        case 'A':
        case 'E':
        case 'I':
        case 'O':
        case 'U':
            v += ch;
            break;
        default:
            c += ch;
    }
}
newwrd = v + c;
}

public void display() {
    System.out.println("Original word:" + wrd);
    System.out.println("Rearranged word:" + newwrd);
}

public static void main(String args[]) {
    Rearrange obj = new Rearrange();
    obj.readword();
    obj.freq_vow_con();
    obj.arrange();
    obj.display();
}
}
```