

```

class WordComb {
    public static void main (String [] arguments){
        // define our arrays of possible letters
        // read the following up-down rather than left-right
        char[] a1 = {'a', 'A', 'p', 'P'};
        char[] a2 = {'p', 'P', 'e', 'E'};
        char[] a3 = {'p', 'P', 'a', 'A'};
        char[] a4 = {'l', 'L', 'r', 'R'};
        char[] a5 = {'e', 'E', 's', 'S'}; // thus:
            // 1st word (lower case)
            // 1st word (upper case)
            // 2nd word (lower case)
            // 2nd word (upper case)
        for (int a = 0; a < a1.length; a++){
            for (int b = 0; b < a2.length; b++){
                for (int c = 0; c < a3.length; c++){
                    for (int d = 0; d < a4.length; d++){
                        for (int e = 0; e < a5.length; e++){
                            // print the possible word
                            System.out.print(a1[a]);
                            System.out.print(a2[b]);
                            System.out.print(a3[c]);
                            System.out.print(a4[d]);
                            System.out.print(a5[e]);
                            System.out.print("\n"); // "\n" is the newline character
                            // print it with "123"
                            System.out.print(a1[a]);
                            System.out.print(a2[b]);
                            System.out.print(a3[c]);
                            System.out.print(a4[d]);
                            System.out.print(a5[e]);
                            System.out.print("123\n");
                            // print it with "abc"
                            System.out.print(a1[a]);
                            System.out.print(a2[b]);
                            System.out.print(a3[c]);
                            System.out.print(a4[d]);
                            System.out.print(a5[e]);
                            System.out.print("abc\n");
                        }
                    }
                }
            }
        }
    }
}

```
