**Problem#2**

**CODE#1**

First we use explode method to store letters from $alphabet string in array $alphaex. Array was printed using print\_r($alphaex).

$inputword is string of 5 letters and again using explode letters of the string are saved in array $inputwordex and printed.

While loop is used here to search letters from $inputwordex in array $alphaex.

**if ($inputwordex[$iword] == $alphaex[$ialpha])**

This condition is to find letters from $inputwordex in $alphaex.

If found index – 2 is saved in variable $i and letter from that position is saved in variable $decodeword and each letter is printed.

**CODE#2**

The purpose of this code is same as code#1 but different methods are used. In this count method is used to count elements of array $inputwordex and while loop is used.

Instead of **if ($inputwordex[$iword] == $alphaex[$ialpha])**

$alpha = array\_search($inputwordex[$iword],$alphaex) is used to find letter from $alphaex.