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**\* Program: mysterycode.java**

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**\* Purpose: pass an array of strings to a method called**

**\* decode. Combine the strings into one string**

**\* by removing all of the digits keeping only**

**\* the letters. Next while getting rid of the**

**\* digits sum their total. This will give you**

**\* the index position to start at followed by the**

**\* number of characters found in the word.**

**\* The tens position in the number is the start**

**\* and the ones position is the number of**

**\* characters in the secret word. Return**

**\* the secret word when finished**

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**\* @@@ Use recursion only no loops**

**\*/**

**public class mysterycode**

**{**

**private String S = "";**

**private int x = 0;**

**public String decode(String[] arrayStuff, int L)**

**{**

**// CODE HERE**

**}**

**public String digitremoval(String S)**

**{**

**//CODE HERE**

**}**

**public String Secret(String results)**

**{**

**//CODE HERE**

**}**

**public static void main(String[] args)**

**{**

**mysterycode MC = new mysterycode();**

**String[] Stuff = {"1wx3ft","v5s12","n5o1","w1zd0y0","191dfe8283","mgr8ds"};**

**String totalStuff = MC.decode(Stuff,Stuff.length-1);**

**String filteredStuff = MC.digitremoval(totalStuff);**

**System.out.println("The secret word is " + MC.Secret(filteredStuff));**

**}   
}**