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 **\* Program: mysterycode.java**

 **\* Programmer: T Erwin**

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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));**

 **}
}**