**PROGRAM TO FIND THE LONGEST WORD IN A FILE**

package program;

import java.util.Scanner;

import java.io.\*;

public class Long

{

public static void main(String [ ] args) throws FileNotFoundException {

Long f = new Long();

f.getLongestWords();

}

public String getLongestWords() throws FileNotFoundException {

String longestWord = "";

String current;

Scanner scan = new Scanner(new File("D:\\TESTING EXERCISE\\forest.txt"));

while (scan.hasNext())

{

current = scan.next();

if ((current.length() > longestWord.length()) && (!current.matches(".\*\\d.\*")))

{

longestWord = current;

}

}

System.out.println(longestWord);

return longestWord;

}

}

**PROGRAM TO INSERT AN ELEMENT IN A GIVEN POSITION OF AN ARRAY**

**package** program;

**import** java.util.Scanner;

**public** **class** Array

{

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

{

**int** n, pos, x;

Scanner s = **new** Scanner(System.***in***);

System.***out***.print("Enter no. of elements you want in array:");

n = s.nextInt();

**int** a[] = **new** **int**[n+1];

System.***out***.println("Enter all the elements:");

**for**(**int** i = 0; i < n; i++)

{

a[i] = s.nextInt();

}

System.***out***.print("Enter the position where you want to insert element:");

pos = s.nextInt();

System.***out***.print("Enter the element you want to insert:");

x = s.nextInt();

**for**(**int** i = (n-1); i >= (pos-1); i--)

{

a[i+1] = a[i];

}

a[pos-1] = x;

System.***out***.print("After inserting:");

**for**(**int** i = 0; i < n; i++)

{

System.***out***.print(a[i]+",");

}

System.***out***.print(a[n]);

} }

**OUTPUT**

Enter no. of elements you want in array:3

Enter all the elements:

4 5 6

Enter the position where you want to insert element:2

Enter the element you want to insert:1

After inserting:4,1,5,6