**Code Analysis - Arrays**

**Question 1 : Identify the output that is produced from the following code, assuming that the data in the file is as follows:**

1 2 1 1 0 1 2 3 4 5 5 3

public class Example {

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

Scanner input = new Scanner(new File("file.txt"));

int[ ] a = new int[5];

while (input.hasNextInt()) {

int next = input.nextInt();

a[next]++;

}

for (int i = 0; i < count.length; i++) {

System.out.println(i + "\t" + a[i]);

}

}

}

**Question 2: What is the content of list[ ] after the following code is executed:**

public static void main (String[ ] args)

{

int[ ] list = new int[5];

for (int i = 0; i < list.length; i++) {

list[i] = 2 \* i + 1;

}

doStuff(list);

}

public static void doStuff (int[ ] data) {

for (int i = 0; i < data.length; i++) {

data[i]++;

}

}