

CMSC131 Fall 2004 Quiz #3, Duration 25 Minutes

First Name:

Last Name:

Student Id:

Section time (10am/11am):

TAs:

Write pseudocode for a program that reads a sequence of **unique** integer values and determines whether it is an **increasing sequence**. An increasing sequence is one where each value is greater than the preceding one. The sequence will be terminated by the special value -999, which is **not** considered to be part of the sequence. The program will print the message "**Increasing**" for an increasing sequence and "**Non-Increasing**" otherwise. For example, here are two increasing sequences:

```
2  45  90  134  -999
-2 -1  0  5  6  -999
```

The following are two non-increasing sequences:

```
10  20  15  30  -999
11  100  2  90  -999
```

You may assume that the sequence will have at least two integer values and no two values will be equal.

To keep things simple, you can read in the next integer and store it in some variable x as follows:

```
x = read()
```

You can print a value x or message as follows:

```
print(x)    or    print("Hello")
```

You do not need to implement any Java code for this problem, just the pseudocode. Remember, pseudocode should be detailed enough that it can be converted by a competent programmer into Java, but should not contain Java-specific details.

WRITE YOUR PSEUDOCODE ON THIS PAGE.