Bash Tutorials - Comparing Numbers

Problem Statement

Given two integers **X** and **Y**, identify whether "X is less than Y" or "X is greater than Y" or "X is equal to Y".

Comparisons in a shell script, may either be accomplished using regular operators (such as < or >) or using (-lt, -gt, -eq i.e. less than, greater than, equal to) for POSIX shells. This discussion on stack overflow contains useful information on this topic.

Input Format
Two lines containing one integer each (X and Y)

Output Format
Exactly one of the following lines "X is less than Y" or "X is greater than Y" or "X is equal to Y".

Sample Input 1

```
5
2
```

Sample Output 1

```
X is greater than Y
```

Sample Input 2

```
2
2
```

Sample Output 2

```
X is equal to Y
```

Sample Input 3

```
2
3
```

Sample Output 3

```
X is less than Y
```

Reference Resources
A relevant and interesting discussion on stack-exchange for those getting started with handling numbers and arithmetic operations in bash.

These discussions on stack overflow and geeksforgeeks contains useful information on this topic.