Questions

• Question 1: Assuming cell B1 contains number 20, you the following formula in B7
  \[=\text{if}(B1>10;"1";"0")\]
  what will you see in Cell B7?

• Question 2: If you type in Cell E7 the following formula
  \[=\text{if}(B7=1;"yes";"no")\]
  what will you see in Cell E7?
Text versus Numbers
“1” is not the same as 1

- “1” (one within double quotes) is text
- Example: In the email address z123@unsw.edu.au
- 1 is a textual character, just like z
- Text has to be compared to text

- 1 (without the double quotes) is a number
- You can perform arithmetic on numbers
- You should only compare a number to another number
Text versus variable name

• Formula
  =if(B1>10;”hahaha”)
• “hahaha” (with double quotes) is interpreted as text

• Formula
  =if(B1>10;hahaha)
• A cell with a number 5 is named hahaha
• hahaha (without quote) is interpreted as variable name