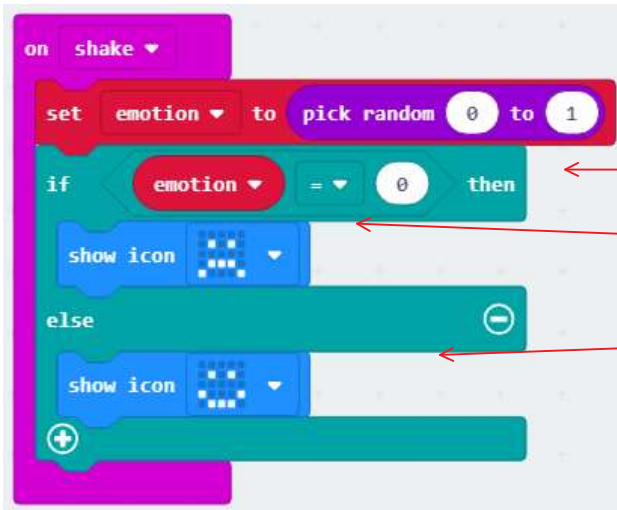
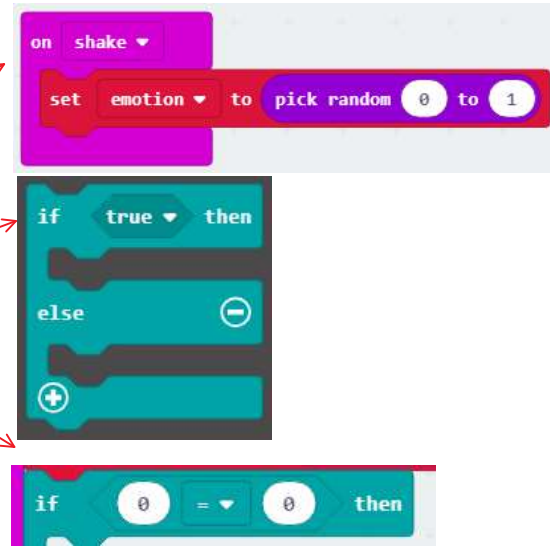


# Tut. 11a If Then Else

- Step 1** Go to <https://makecode.microbit.org/#editor>
- Step 2** Create a variable called **emotion**
- Step 3** Place a "on shake" block down
- Step 4** Set the value of the **emotion** variable to be random number between 0 and 1
- Step 5** If the number chosen is 0, then show a sad face, otherwise show a happy face
- Step 6** From the **Logic** menu, select the "if true then else" block and place it in the **TRUE** section
- Step 7** Complete the rest of the blocks as picture below
- Step 8** ★ Save your program as "TUT11a-IfThenElse" and upload to your micro:bit



- ← The variable called **emotion** is given a value, 1 or 0
- ← **If** the value of 'emotion' is equal to 0
- ← **then** show the sad face icon
- ← **Otherwise** show a happy face icon (because the value is obviously NOT 0)

[Microbit Tutorial 11a - If Then Else](#)

