**Generating a random number between two limits**

BlocklyProp does not provide a random number generator block, but it provides a “User Defined Code block” which you can use to make your own. Here is how to make your own Random Number block:

1. From the SYSTEM menu, choose the User Defined Code block and move it into the work area.
2. Click on the box in the upper left corner of that block. That will expand the block providing several spaces in which you will have to enter some C code to be executed by the block.
3. You may change the label on the block (suggestion: Random Number)
4. Choose a block color code if you wish.
5. Ignore the includes code box
6. Ignore the globals code box
7. Double Click on the setups code box and type the following into the small box which opens up: srand(time(0));
8. Double Click on the main code box and type the following into the small box which opens up: (rand() %(@2 - @1)) + @1 +1;
9. Click on the small arrow in the box MAIN CODE IS and choose “a numeric value“ from the drop down menu
10. Click on the NO INPUTS box and choose add 2 inputs from the dropdown list
11. In the small box following input “@1” label type more than
12. In the small box following input”@2” label type maximum
13. Click on the box in the upper left corner removing the check mark and hiding the details. You may now include this block in your code.