

**This is designed to help with work on assignment on chapter6– More Loops and decisions**

1. Ask the user for a number between 0 and 100. Validate the number so that a valid value is entered. Note the use of the simple loop to check for numbers outside of a particular range. **For sample answer, see ch6\_help\_q1.rap**

2. Write a nested loop to display the following pattern:

```
1
1    2
1    2    3
1    2    3    4
```

Do you see how 2 loops can be used to accomplish this task? If you notice the outside loop repeats 4 times and the inside loop repeats as many times as the outside loop repeats. **For sample answer, see ch6\_help\_q2.rap**

3. Write a loop to ask the user for a series of employee salaries. Ask the user if he or she wants to continue inputting more salary values. Stop the loop when the user enters "Y". Outside of the loop calculate and display the average of salary values. Do you need to keep track of the number of salary values entered by the user and the running total to find the average? **For sample answer, see ch6\_help\_q3.rap**