Object-Oriented Programming Homework-3

1. For a positive integer *N*, you can partition it into several units. In this homework, you have to write a program to separate input into smaller positive integers that sum up to *N*. For example, if *N*=5, then your output should be:

```
5
4  1
3  2
3  1  1
2  2  1
2  1  1  1
1  1  1  1  1
```

   Can this problem be rewritten by using 'Recursion?' If so, rewrite it. If not, discuss your reason in detail to get more credit.

2. Please re-write your homework-2 to output a multiplication table by using 'pointers,' not just 'a pointer' ([ ] can be treated as one of your pointer *). If you made this before, feel free to copy and paste it on this report.