

## Exercise of Programming Language, Homework E6

It is known that in Python, the following statements:

```
str1 = "A" * 3  
str2 = "Abc" * 2
```

meaning:

```
str1 = "AAA"
str2 = "AbcAbc"
```

Using this technique, write 2 Python programs to solve the following questions. Please name your program files as *Q1.py* and *Q2.py*.

1. Given an integer variable  $n$ , write a program to print out a rhombus, the boundary of which is composed of "\*"s. The widest place of this rhombus should be the  $n^{\text{th}}$  line. For example, if  $n = 5$ , your rhombus should look like this:

2. Given an integer variable  $n$ , write a program to print out a triangle, the boundary and inside of which are composed of "\*" and "+", respectively. The widest place of this triangle should be the  $n^{\text{th}}$  line. For example, if  $n = 5$ , your triangle should look like this:

```

      *
    *+*
  *+++*
*++++*
*****

```