SWEN20003

Object Oriented Software Development Workshop 1 (Solutions)

Problems

1. Write a program to print a triangle of some constant size. For example, a triangle of size 5 should look like this:

```
#
##
###
####
```

Solution:

2. Write a program to print a diamond of some constant **odd** size. For example, a diamond of size 5 should look like this:

```
#
###
####
###
```

Solution:

```
public class Program {
   public static void main(String[] args) {
     int N = 5;

   for (int i = 1; i <= N; i += 2) {
      int numSpaces = (N - i) / 2;
      for (int j = 0; j < numSpaces; ++j) {
            System.out.print(" ");
      }
}</pre>
```