

**King Saud University**  
**College of Computer & Information Science**  
**CSC111 – Assignment 6**  
**All Sections**

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### Question 1

Write a program that prompts the user to enter an integer and displays a pyramid, as shown in the following sample run:

Enter the number of lines: 5 ↵

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

- 1- There are two spaces between each two digits and before the first digit on the last line (two spaces before digit 5)
- 2- Each line ends with a digit (no spaces after last digit)

Name your class Pyramid.

## Question 2

Write a program that breaks a number into its digits. Program keeps prompting the user to enter an integer and displays the digits of that integer until user enters -1.

Name your class Digits.

Here is a sample run:

```
Enter a number (-1 to end): 3457 ↵
Digit1 = 7
Digit2 = 5
Digit3 = 4
Digit4 = 3
Enter a number: 23
Digit1 = 3
Digit2 = 2
Enter a number: 847570
Digit1 = 0
Digit2 = 7
Digit3 = 5
Digit4 = 7
Digit5 = 4
Digit6 = 8
Enter a number: -1
```