FALL 2007
CS 113: Introduction to Computers
Assignment 11
Due: November 29, 2007
For…Next Loops
(16 points)

Objectives: Learn how to create and use For…Next loops.

What to do?

Read sections 6.3 of the textbook.

Design a VB program that calculates ideal weight (lb) for women and men based on their height (in) using the following formulas:
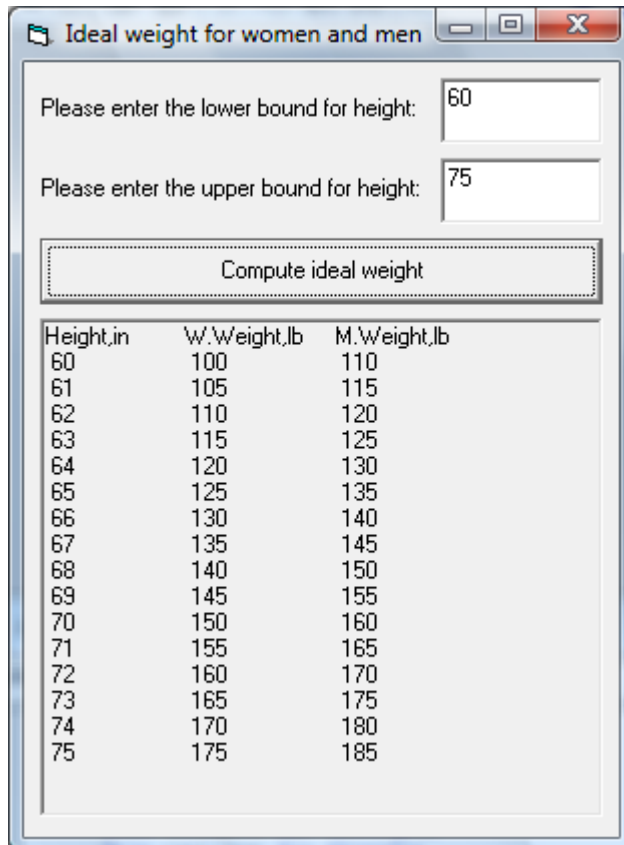
For women: weight = 100 + (height – 60) * 5
For men: weight = 110 + (height – 60) * 5

The program requests a lower and upper bounds for heights and produces a table giving the ideal weight for men and women in that height range. When the command button is clicked, the program uses a For…Next loop to calculate the weights according to the formulas given above. Hint: Use a statement similar to the one below to produce tabulated output:

```
picResult.Print "Height,in"; Tab(15); "W.Weight,lb"; Tab(30); "M.Weight,lb"
```

The interface of the program along with its sample output is shown below.

Design a VB program with the interface as shown above. Make sure the objects in your program are as follows:

Object	Property	Setting
frmWeight	Caption	Ideal weight for women and men
label1	Caption	Please enter the lower bound for height:
txtLowerBound		
label2	Caption	Please enter the upper bound for height:
txtUpperBound		
cmdCompute	Caption	Compute ideal weight
picResult		

Save your work.

What to submit

Use Blackboard Vista to submit the <u>Visual Basic Form File</u> with your program.