**LOOP Extension Exercises**

*For each of the following exercises, decide which loop to use to implement the solution.*

**Exercise 1:** Write VB.NET code to produce the output shown below:  
**(Grade: E/D)**

\*\*\*\*\*\*\*  
  
\*\*\*\*\*\*  
  
\*\*\*\*\*  
  
\*\*\*\*  
  
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\*

**Exercise 2:** Write VB.NET code to print the following pattern:

**(Grade: E/D)**

1\*\*\*\*\*\*  
  
12\*\*\*\*\*  
  
123\*\*\*\*  
  
1234\*\*\*  
  
12345\*\*  
  
123456\*  
  
1234567

**Exercise 3:**

Write VB.NET program to prompt the user to choose the correct answer from a list of answer choices of a question. The user can choose to continue answering the question or stop answering it. See the example below:

**(Grade: C)**

What is the command keyword to exit a loop in VB.NET?

a. int

b. continue

c. break

d. Exit For/Exit While/Exit Do While

Enter your choice: b

Incorrect!

Again? press y to continue:

**Exercise 4:** Write VB.NET program to print the table of characters that are equivalent to the ASCII codes from 1 to 122.The program will print the 10 characters per line.

**(Grade: B)**

**Exercise 5:**

By using do while loop, write VB.NET program to prompt the user to choose the correct answer from a list of answer choices of a question. The user can choose to continue answering the question or stop answering it. See the example below:

**(Grade: C)**

What is the correct way to declare a variable to an integer value in VB.NET?

a. int a

b. Dim a As Single

c. Dim a As String

d. Dim a As Integer

Enter your choice: b

Incorrect!

Again? press y to continue: