Loops Assignment

Before we get to the ciphers, we need to ensure that you can use loops. Create a program for each of the following:

1. Using a while loop, read in a number from the user and print out from 1 to the input.  
   Example: Input = 5  
   Output=  
   1  
   2  
   3  
   4  
   5
2. Using a for loop, read in two numbers and add all the values from the first to the last number  
   Input=6,9  
   Output = 30  
   (6+7+8+9)
3. Read in a word. Print each letter on a different line  
   Input= Zebarth  
   Output=  
   Z  
   e  
   b  
   a  
   r  
   t  
   h
4. Ask the user 10 multiplication questions. Check their answer and give them their score out of 10 at the end.
5. (CHALLENGE) Read in a String. Output the String in the reverse case  
   Input: Hello There!  
   Output: hELLO tHERE!
6. (CHALLENGE) Read in a String: Output the following box  
   Input: Zebarth  
   Output:  
   Zebarth  
   ebarthZ  
   barthZe  
   arthZeb  
   rthZeba  
   thZebar  
   hZebart