CIS 255 - Java Programming
Homework #5
Loops

Name: _____

Date: _____

1. **Write a Java class Normal, which copies its input to output a character at a time, replacing blank space characters and tab characters with '=' (equal sign) characters. Use System.in.read() and System.out.print() for input and output respectively. If the input is '\n' (newline) character, then exit the loop. (Use while loop)**

2. **Write a Java class NoUpper which copies its input to output a character at a time, removing all upper case characters. Use System.in.read() and System.out.print() for input and output respectively. If the input is '\n' (newline) character, then exit the loop. (Use do…while loop)**

3. **Write a Java class Repeat which accepts a string and an integer as input. The number of times the string is output to the screen should equal the integer value. Use java.util.Scanner and System.out.println() for input and output respectively. (Use for loop)**

4. **Write a Java class NoSymbols which copies its input to output a character at a time, removing all occurrences of '@' (at) , '$' (dollar sign), and '!' (exclamation). Use System.in.read() and System.out.print() for input and output respectively. If the input is '\n' (newline) character, then exit the loop. (Use while loop)**

5. **Write a Java class ToLower which copies its input to output a character at a time, replacing all upper case characters with their lower case equivalents. Use System.in.read() and System.out.print() for input and output respectively. If the input is '\n' (newline) character, then exit the loop. If the input is '\n' (newline) character, then exit the loop. (Use do..while loop)**

6. **Write a Java class CountDown which accepts a string and a positive integer as input. Output the integer to the screen until it reaches zero, and then output the string to the screen. If the integer reaches 1, the loop should not output that number. If the integer value is greater than 10, output the integer while counting down until it reaches 11 and output the message "Aborting…" and exit the loop. Use java.util.Scanner and System.out.println() for input and output respectively. (Use for loop)**