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| Course Name | ITD 2313 – Script Programming |
| Instructor | Rene Hurst |
| Student Name | Monica Gray |
| Due date | 06/22/2025 |
| Grade | Put grade earned here |
| Grading Comments | Put instructor comments here |

Definite Iteration:  the *for* loop

Executing a statement a given number of times

Page 54

1. At the of the page is a for loop example code about being alive, that is the code example for this page.  the Colon and the extra space on the 2nd line are very important.
2. You might noticed a few lines before the example code in Step 1, there is what appears to be another example code.  This is actually a template code for how a for loop is written in python.  It has placeholders for the items that you as a programmer and change.  As such, you do not have to enter this template in as part of the exercise.  There will be other templates as we go through the chapter and the rest of the book.
3. The bottom third of the page is the home for the code example of this page.

A screenshot of a computer

AI-generated content may be incorrect.

Count Controlled Loops

Page 55

1. At the top of page 55 with the subsection header of Count Controlled Loops is your first on the page of example code blocks.
2. The second example code blocks on the page is in about half way down of the page.
3. The third example code examples for this page.
4. The fourth example of code block on the page is at about the bottom on the page.
5. The final code example block is on the top of page 56.

A computer screen shot of a computer screen

AI-generated content may be incorrect.

Loop Errors: off by one error

Page 56

1. At the bottom of the page is the code example block for this section.

Traversing the contents of a Data Sequence

A screenshot of a computer

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Page 57

1. At the top is the first of 2 code example blocks for this section.
2. The 2nd code example block is in the middle of the page.

A screenshot of a computer

AI-generated content may be incorrect.

Specifying the Steps in the Range

Page 57

1. At the bottom is the first of 2 code blocks for this section, it shows three list examples.
2. The second code example block is just below the first.  This one starts with theSum=0 statement.

A computer screen shot of a computer screen

AI-generated content may be incorrect.

Loops that Count Down

Page 58

1. This code block is at the top of the page.

A screenshot of a computer

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Formatting Text for Output

Page 59

1. About a 1/3 the way down on the page is your first code example block for the page.
2. At the halfway point is the 2nd and final code example block on this page.
3. The third code example block is at the top of the page 60.
4. The final code example block is a just a few lines below the 2nd one.  this one is showing how to show precision on a floating point number of 3.14.

A computer screen shot of a computer screen

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NOTE - The case study on pages 61 to 63 are not assigned for this exercise, but it should be read and examined for a better understanding of the topics in the chapter.