1 Exercise 4

1.1 Part A

- What do the loops in the program fragments do?

1st loop: This loop should print out the numbers 1 to 3 in ascending order

2nd loop: This loop should print out the numbers 1 to 3 in reverse order, i.e. beginning from 3 to 1

3rd loop: This loop utilizes the keyword 'reverse' to specify the same action as in the 2nd loop.

4th loop: This loop attempts to print the same output as in the 1st loop by utilizing the keyword 'reverse' to change the specified descending order to ascending.

1.2 Part B

- Does the compiler generate any errors?
    Yes. For loops 2 and 4, the warning message "loop range is null. Loop will not execute" is generated

Why? This is because the Ada compiler considers a range from upper to lower bound as an empty list[1].[**?**]

References

1. Wheeler, D.A. Loop Iteration Schemes. Retrieved from: https://dwheeler.com/lovelace/s5sf.htm Date Accessed: 25. October, 2018.