Debugging Ch 7

1. Change AND to OR; value cannot be both less than 1 and greater than 10

Declare Integer value

Display "Enter a value between 1 and 10."

Input value

While value < 1 OR value > 10

Display "ERROR: The value must be between 1 and 10."

Display "Enter a value between 1 and 10."

Input value

End While

2. This is a potential infinite loop. There isn't a chance in the loop to change the value of 'amount' therefore it could test wrong forever

Declare Real amount

Display "Enter a dollar amount."

Input amount

While amount < 0

Display "ERROR: The dollar amount cannot be less than 0."

Display "Enter a dollar amount."

Input amount

End While

3. It could be improved by using the toLower(). Not sure if it is part of the exercise or not, but the book has 'response' where ‘choice’ should be used in the last input section during the while loop.

Declare String choice

Display "Cast your vote for Chess Team Camptain."

Display "would you like to nominate Lisa or Tim?"

Input choice

While toLower(choice) != "lisa" AND toLower(choice) != "tim"

Display "Please enter Lisa and Tim."

Display "Cast your vote for Chess Team Captain."

Display "Would you like to nominate Lisa or Tim?"

Input choice

End While