**Student Questions:**

1. Write a program that uses Boolean variables and logic to do the following:
   1. Read a high number and a low number from console input. The numbers must be less than 100.

print ("Your numbers should be less than 100")

highNumber = int(input("What is your high number less than 100?:"))

lowNumber = int(input("What is your low number less than 100?:"))

* 1. Create a continuous loop that starts with a count of 1 and increases the count by 1 each time through the loop

startCount = int(input("Enter a number:"))

currentCount = startCount

while (currentCount >= 0) :

print("Count = %d" % currentCount)

currentCount = currentCount + 1

* 1. Checks whether the count is between the low number and the high number and assigns the result of the check to a Boolean variable called “inRange”.

highNumber = int(input("What is your high number less than 100?:"))

lowNumber = int(input("What is your low number less than 100?:"))

inRange = (highNumber <= 100)

inRange = (lowNumber <= highNumber)

print("This is",inRange)

* 1. Prints the message “Number is in range” if the value of inRange is true.

highNumber = int(input("What is your high number less than 100?:"))

lowNumber = int(input("What is your low number less than 100?:"))

inRange = (highNumber <= 100)

inRange = (lowNumber <= highNumber)

print(" ",inRange)

if (highNumber <= 100) and (lowNumber <= highNumber) :

print("Number is in Range")

* 1. Breaks out of the loop when the count gets bigger than 100.

currentCount = int(input("Enter a number:"))

while (True) :

print("Count is",currentCount)

if (currentCount >= 100) :

break

else :

currentCount = currentCount + 1