**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.**

myNumber = 90

isValid = (myNumber > 0 ) and (myNumber < 100)

print("The number is valid:",isValid)

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

count = 1

while (True) :

print("Count = %d" % count)

if (count >= 100) :

break

else :

count = count + 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”.**

inRange = (count >= isValid) and (count<= myNumber)

* 1. **Prints the message “Number is in range” if the value of inRange is true.**
  2. **Breaks out of the loop when the count gets bigger than 100.**

count = 0

while (True) :

print("Count is",count)

if (count >= 100) :

break

else :

count = count + 1