**Friday 08 October 2021**

**While loops**

**Recap for loops**

direction = input("do you want to count up or down: ") #asks user if they want to count up or down.

if direction == "up": #loop if the user wants to count up.

top\_number = int(input("what number do you want to count to: ")) #user enters the number they want to count up to.

top\_number = top\_number+1 #adds 1 to the number inputted by the user.

for i in range(1,top\_number): # counts from 1 to the value assigned in the value.

print(i) #prints out i (number from 1- value top\_number)

elif direction == "down":#if the user enters down as the direction.

low\_number = int(input("what number do you want to count down from: "))#asks user for the number they want to count from.

for i in range(low\_number,0,-1):#will count from the low number down to 1.

print(i)#prints i (low\_Number down to 1)

else:#if user enters something else other than 'up' or 'down'

print("error")#will print error and code wont run.