**WHILE LOOP WORKSHEET**

1. Write a While Loop that will output your name 10 times on the same line.

**n= raw\_input("Enter your name: ")**

**s= int(input("Enter your starting number: "))**

**e= int(input("Enter your ending number: "))**

**a= 0**

**while s <= e:**

**a = a + s**

**if s < e:**

**print n,",",**

**else:**

**print n,"",**

**s= s + 1**

1. Write a While Loop that will display each number from 10 to 1 on the same line

**s= int(input("Enter your starting number: "))**

**e= int(input("Enter your ending number: "))**

**a= 0**

**while s >= e:**

**a = a - s**

**if s > e:**

**print s,",",**

**else:**

**print s,"",**

**s= s - 1**

1. Given the variable ***num1*** and ***num2*** with ***num1*** assigned the value 10 and ***num2*** assigned the value 2. Write a While Loop that will determine how many times it will take by doubling ***num2*** until ***num2*** exceeds the value of ***num1***.

**num1= 10**

**num2= 2**

**a=0**

**while num2 <= num1:**

**num2=num2 \*2**

**a=a+1**

**print num2**

**print a**

1. Write a While Loop that will loop until the calculated sum value of ***num1*** + ***num2*** exceeds the value of ***num3***.  
   **HINT:** you will need another variable to store the sum of ***num1*** and ***num2***, I called it ***answer***.

**num1=int(input("Enter a number: "))**

**num2=int(input("Enter a number: "))**

**num3=int(input("Enter a number: "))**

**a=0**

**while a <= num3:**

**a=a+num1+num2**

**print a**

1. Write a While Loop that will calculate how many even numbers there are between 1 and 20.

**num=20**

**a=0**

**while num >= 1:**

**if num%2 ==0:**

**a=a+1**

**num= num-1**

**print "there are",a,"even #'s"**