**Do While For Loop Reference**

 //variables that can be used in this class

 int age=16;

 int height=180;

 String name="bob";

 String sex="m";

 int num1, num2, sum, temp;

 String pw;

 num1=1;

 do{

 System.out.println(num1);

 num1 = num1 + 1;

 }while(num1<10);

 for (int k=1; k<10; k=k+1){

 System.out.println(k);

 }

 num1=10;

 do{

 System.out.println(num1\*10);

 num1 = num1 - 10;

 }while(num1>0);

 for(int k=10; k>0; k=k-10){

 System.out.println(k\*10);

 }

 num1=50;

 num2=70;

 while(num1<num2){

 System.out.println("num1 is " + num1 + " and num2 is " + num2);

 num1 = num1 + 1;

 num2 = num2 - 1;

 }

 num2=70;

 for (num1=50; num1<num2; num1 = num1 + 1, num2 = num2 - 1){

 System.out.println("num1 is " + num1 + " and num2 is " + num2);

 }

 num1=0;

 do{

 num1 = UI.getInteger("Enter a number LARGER than 100");

 }while(num1<=100);

 num1=0;

 do{

 num1 = UI.getInteger("Enter a number LARGER than 100");

 }while( !(num1>100) );

 do{

 pw = UI.getString("Enter the pw! (hint: teacher's name)");

 }while(pw.equals("janetka") == false);

 num1=UI.getInteger("Enter a number between 10-20");

 do{

 System.out.println("num1 is going down... " + num1);

 num1 = num1 - 1;

 }while(num1>=0);

 num1=UI.getInteger("Enter a number between 10-20");

 for (int k=num1; k>=0; k=k-1){

 System.out.println("num1 is going down... " + k);

 }

 num1=UI.getInteger("Enter a starting number");

 num2=UI.getInteger("Enter an ending number");

 int counter = num1;

 while(counter<=num2){

 System.out.println("Counting... " + counter);

 counter = counter + 1;

 }

 sum = 0;

 for (int k=1; k<=4; k=k+1){

 num1 = UI.getInteger("Enter a number");

 sum = sum + num1;

 }

 System.out.println("The sum of the numbers is " + sum);

 sum = 0;

 System.out.println("Please enter 4 numbers larger than 0");

 for (int k=1; k<=4; k=k+1){

 do{

 num1 = UI.getInteger("Enter a number larger than 0");

 if (num1<=0){

 System.out.println("Sorry, that number doesn't count!");

 }

 }while(num1<=0);

 sum = sum + num1;

 }

 System.out.println("The sum is " + sum);