Workshop Week 2:

1. Write a void function which finds and prints the midpoint coordinates of a line. The function should take in four parameters (x1, y1, x2 and y2).
   xmid=(x1+x2)/2, ymid=(y1+y2)/2

2. Write a function that takes two integers as arguments and return the greatest among them.
3. Write a void function which takes one integer (n) as a parameter. Your function should then print out all triangular numbers from 1 up to the nth term.
4. Write a function named “velocityCalc” which returns an appropriate value for the formula “v=u+at”, where v is the final velocity, u is the initial velocity ,a is the acceleration and t is the time that has elapsed. Depending upon which variable is set to “NAN” when the function is called , your function should work it out and return the value.
5. Write a void function named “equations” which solves simultaneous equations. Your program will take six parameters. E.g. function(double a, double b, double c, double d, double e, double f){}. By solving simultaneous equations, you are finding where the two lines cross each other, so your function should print an x and y coordinate.
   ax+by=c …...(i)
   dx+ey=f.....(ii)
   a = number in front of x of equation one
   b = number in front of y of equation one
   c = constant of equation one
   d = number in front of x of equation two
   e = number in front of y of equation two
   f = constant of equation two