**WONG Kai YUAN DC02615-7 Assignment 5 (Wednesday 1130 – 1245)**

#include <stdio.h>

/\*function prototype\*/

**void** calculator (**double** x1, **double** x2, **double** y1, **double** y2, **double** \*px, **double** \*py);

**int** main (**void**) {

**double** x1 ;

**double** x2 ;

**double** y1 ;

**double** y2 ;

**double** x ;

**double** y ;

**double** \*px;

**double** \*py;

px = &x;

py = &y;

printf ("This is a middle point calculator of segment AB. \n");

printf ("Enter coordinate of point A (x1,y1) : ");

scanf ("%lf%lf", &x1,&y1);

printf ("Enter coordinate of point B (x2,y2) : ");

scanf ("%lf%lf", &x2,&y2);

calculator (x1,x2,y1,y2,px,py);

printf ("Middle Point (%.1lf,%.1lf)",x,y);

**return**(0);

}

**void** calculator (**double** x1, **double** x2, **double** y1, **double** y2, **double** \*px, **double** \*py) {

\*px = (x1+x2)/2 ;

\*py = (y1+y2)/2 ;

}

Text

Description automatically generated