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**The first program is to get some output:**

#include <stdio.h>

#include <stdlib.h>

int main()

{

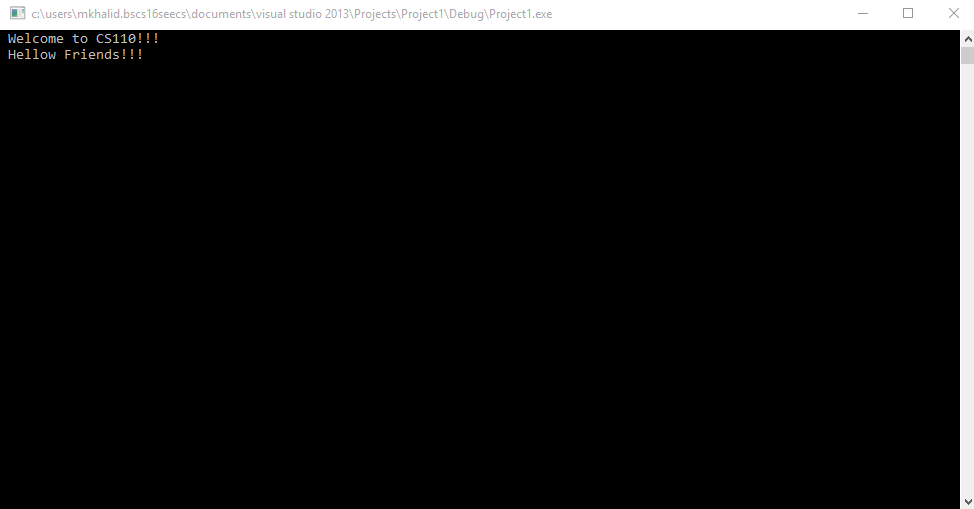
printf(" Welcome to CS110!!!\n Hellow Friends!!!");

getchar();

return EXIT\_SUCCESS;

}

**The output will be as follow:**

****

**The program to calculate distance between two points is:**

#include <stdio.h>

#include <stdlib.h>

#include <math.h>

int main()

{

double x1, y1, x2, y2,

a, b, distance;

x1 = 1;

y1 = 5;

x2 = 4;

y2 = 7;

a = x2 - x1;

b = y2 - y1;

distance = sqrt(a\*a + b\*b);

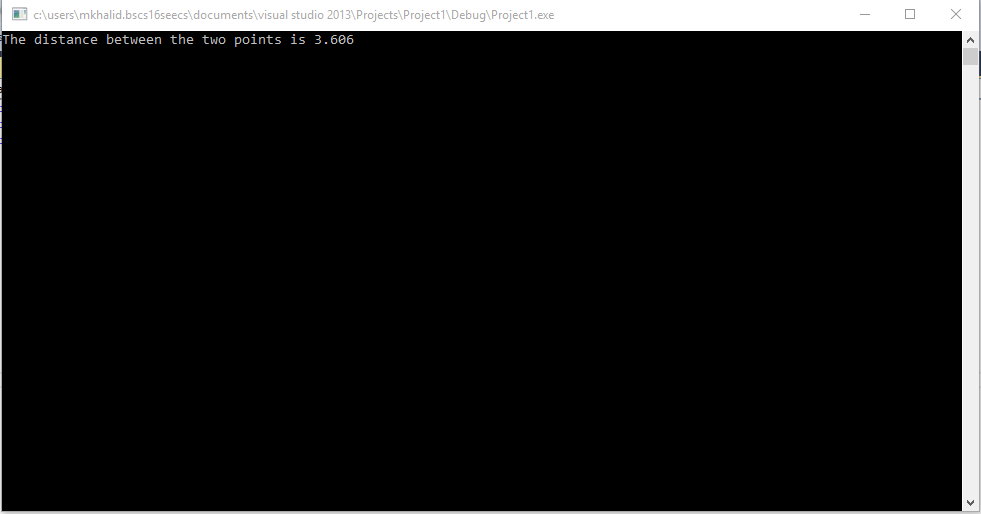
printf("The distance between the two points is %.3f", distance);

getchar();

return EXIT\_SUCCESS;

}

**The output will be as follow:**

****