```c
#include<stdio.h>
#include<math.h>

int main ()
{
    float mikeX, mikeY, maryX, maryY, garyX, garyY, loganX, loganY, distance1, distance2,
     distance3, distance4;

    mikeX = 22.05;
    mikeY = 85.10;

    maryX = 43.25;
    maryY = 09.80;

    garyX = 02.55;
    garyY = 72.86;

    loganX = 15.15;
    loganY = 40.40;


    distance1 = sqrt ( (15.55 - mikeX) * (15.55 - mikeX) + (55.15 - mikeY) * (55.15 -
    mikeY) );
    distance2 = sqrt ( (15.55 - maryX) * (15.55 - maryX) + (55.15 - maryY) * (55.15 -
    maryY) );
    distance3 = sqrt ( (15.55 - garyX) * (15.55 - garyX) + (55.15 - garyY) * (55.15 -
    garyY) );
    distance4 = sqrt ( (15.55 - loganX) * (15.55 - loganX) + (55.15 - loganY) * (55.15 -
    loganY) );

    printf(" The E distance for Mike is: %f\n", distance1);
    printf(" The E distance for Mary is: %f\n", distance2);
    printf(" The E distance for Gary is: %f\n", distance3);
    printf(" The E distance for Logan is: %f\n", distance4);



    return 0;


}
```