

```

1  #include<stdio.h>
2  #include<math.h>
3
4  int main ()
5  {
6
7      float x21, y21, x22, y22, distance;
8
9
10     printf("Enter points for Mike: (x21, y21)\n");
11     scanf("%f%f", &x21, &y21);
12
13     printf("Enter points for School: (x22, y22)\n");
14     scanf("%f%f", &x22, &y22);
15
16     distance = sqrt( ( x22 - x21) * ( x22 - x21) + ( y22 - y21) * (y22 - y21) );
17
18     printf("The E distance for Mike is: %f\n", distance );
19     printf("\n");
20
21
22     printf("Enter points for Mary: (x21, y21)\n");
23     scanf("%f%f", &x21, &y21);
24
25     printf("Enter points for School: (x22, y22)\n");
26     scanf("%f%f", &x22, &y22);
27
28     distance = sqrt( ( x22 - x21) * ( x22 - x21) + ( y22 - y21) * (y22 - y21) );
29
30     printf("The E distance for Mary is: %f\n", distance );
31     printf("\n");
32
33
34     printf("Enter points for Gary: (x21, y21)\n");
35     scanf("%f%f", &x21, &y21);
36
37     printf("Enter points for School: (x22, y22)\n");
38     scanf("%f%f", &x22, &y22);
39
40     distance = sqrt( ( x22 - x21) * ( x22 - x21) + ( y22 - y21) * (y22 - y21) );
41
42     printf("The E distance for Gary is: %f\n", distance );
43     printf("\n");
44
45
46     printf("Enter points for Logan: (x21, y21)\n");
47     scanf("%f%f", &x21, &y21);
48
49     printf("Enter points for School: (x22, y22)\n");
50     scanf("%f%f", &x22, &y22);
51
52     distance = sqrt( ( x22 - x21) * ( x22 - x21) + ( y22 - y21) * (y22 - y21) );
53
54     printf("The E distance for Logan is: %f\n", distance );
55     printf("\n");
56
57
58
59
60
61
62 }

```