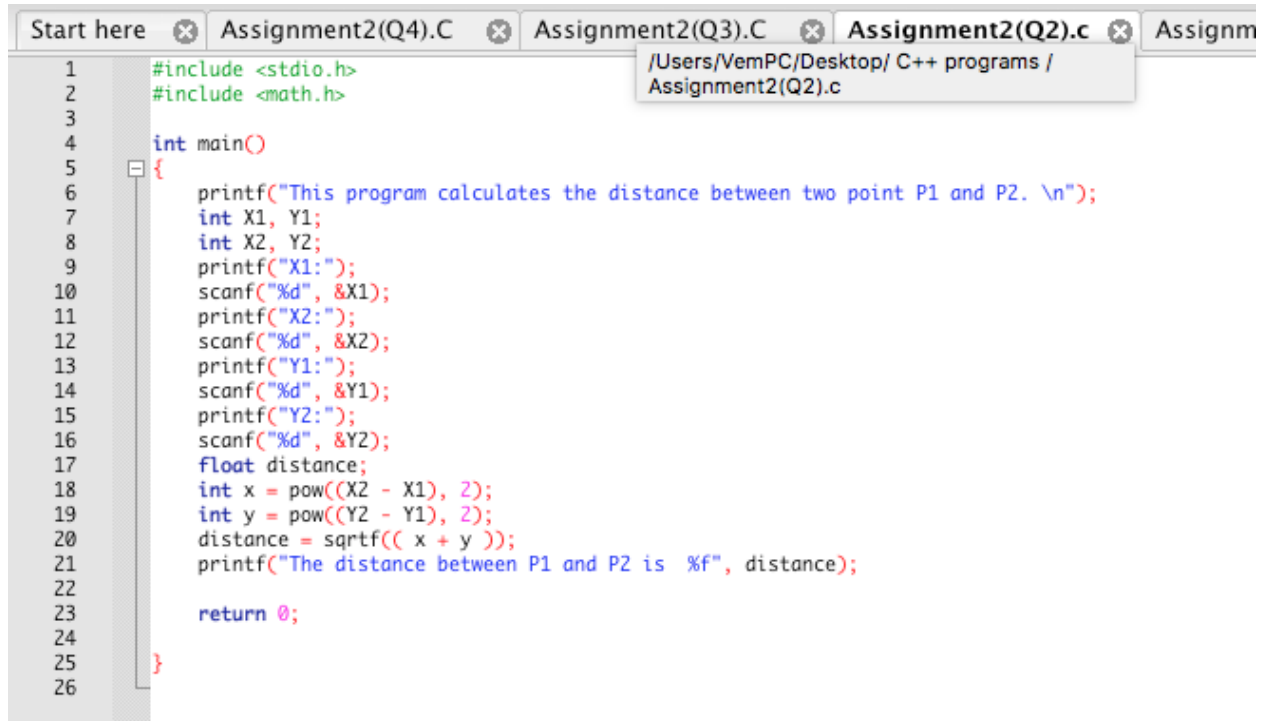


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The image shows a screenshot of a C++ IDE with multiple tabs. The active tab is 'Assignment2(Q2).c'. The code in the editor is as follows:

```
1  #include <stdio.h>
2  #include <math.h>
3
4  int main()
5  {
6      printf("This program calculates the distance between two point P1 and P2. \n");
7      int X1, Y1;
8      int X2, Y2;
9      printf("X1:");
10     scanf("%d", &X1);
11     printf("X2:");
12     scanf("%d", &X2);
13     printf("Y1:");
14     scanf("%d", &Y1);
15     printf("Y2:");
16     scanf("%d", &Y2);
17     float distance;
18     int x = pow((X2 - X1), 2);
19     int y = pow((Y2 - Y1), 2);
20     distance = sqrtf((x + y));
21     printf("The distance between P1 and P2 is %f", distance);
22
23     return 0;
24 }
25
26
```

A tooltip is visible over the 'Assignment2(Q2).c' tab, showing the file path: `/Users/VemPC/Desktop/ C++ programs / Assignment2(Q2).c`.

Start here Assignment2(Q4).C Assignment2(Q3).C Assignment2(Q2).c Assignment2(Q1).C

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("This programs collects three floating point number and cheks to see if they can form a triangle if so then it finds the perimeter of triangle \n");
6     float A, B,C;
7     printf("A:");
8     scanf("%f", &A);
9     printf("B:");
10    scanf("%f", &B);
11    printf("C:");
12    scanf("%f", &C);
13    int p;
14    if ((A + B) > C and (A+C) > B and (B+C) > A){
15        p = A + B + C;
16        printf("The perimeter of the traingle is %d", p );
17    }
18    else{
19        printf("The values do not agree with the inequality theorem.");
20    }
21    return 0;
22 }
23
24
```

Start here Assignment2(Q4).C Assignment2(Q3).C Assignment2(Q2).c Assignment2(Q1).C

```
4 in /Users/VemPC/Desktop/ C++ programs /
5 Assignment2(Q4).C
6 {
7     printf("This program collect the age of 20 people and counts them into 3 groups. \n");
8     int Age[20];
9     int a = 0 ;
10    while( a < 20){
11        printf("Enter age:");
12        scanf("%d", &Age[a]);
13        a++;
14    }
15    int i = Age[0];
16    int group1, group2, group3;
17    for(a =0; a, a<20; a++){
18        if (Age[a] < 4){
19            group1++;
20        }
21        else if( 5<= Age[a] <=17){
22            group2++;
23        }
24        else if(Age[a]>=17){
25            group3++;
26        }
27    }
28    printf("No. of babies: %d \n", group1);
29    printf("No. attending school: %d \n", group2);
30    printf("No. of Adults: %d \n", group3);
31    return 0;
32 }
33
34
```

Start here Assignment2(Q4).C Assignment2(Q3).C Assignment2(Q2).c Assignment2(Q1).C

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf ("This program convert 13434 days first into years then weeks and finally days. \n");
6     int y, w, d;
7     int n = 13434;
8     y = n / 365;
9     w = y * 52;
10    d = n;
11    printf ("Years: %d \n", y);
12    printf ("Weeks: %d \n", w);
13    printf ("Days: %d \n", d);
14
15    return 0;
16
17 }
18
```