

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      printf("Enter the Side 1");
6      scanf("%d",&a);
7      printf("Enter the Side 2");
8      scanf("%d",&b);
9      printf("Enter the Side 3");
10     scanf("%d",&c);
11     // if a+b>c and b+c > a and a+c>b
12     if(a+b>c)
13     {
14         printf("Test 1 Passed... \n");
15         if(b+c>a)
16         {
17             printf("Test 2 Passed... \n");
18             if(a+c>b)
19             {
20                 printf("Test 3 Passed... \n");
21                 printf("Triangle is Possible \n");
22             }
23             else
24             {
25                 printf("Test 3 Failed... \n");
26                 printf("Triangle is Not Possible \n");
27             }
28         }
29     }
30     else
31     {
32         printf("Test 2 Failed... \n");
33     }
34 }
35 else
36 {
37     printf("Test 1 Failed... \n");
38 }
39 }
40
```