AREA OF TRIANGLE

CODE

```
#include <stdio.h>
2 #include <math.h>
3 double area_of_triangle(double, double, double);
4 int main()
5 - {
     double a, b, c, area;
     printf("Enter the lengths of sides of a triangle\n");
      scanf("%1f%1f%1f", &a, &b, &c);
     area = area of triangle(a, b, c);
10
     printf("Area of the triangle = %.21f\n", area);
11
    return 0;
12 }
13 double area of triangle(double a, double b, double c)
14 - {
15
    double s, area;
16
    s = (a+b+c)/2;
17
    area = sqrt(s*(s-a)*(s-b)*(s-c));
18
    return area;
19
20
```

OUTPUT

```
Enter the lengths of sides of a triangle 5 6 7
Area of the triangle = 14.70
```

HANDWRITTEN PROGRAM

```
Asec of triangle by taking sides as Taput.
# include C Stdio , h7
# include < math . h >
 double area of triangle (double, double, double);
  int moles ()
   } double a,b, c avec s
     Polard f ("Enter the lengths of Sides of triangle \n");
    Scanf ("1.4 1.4 1.4", &a, &b, &c);
    area = area_tf-triangle (a, b, c);
     Polent f ("Area of terrangl - "1.0.26 \n", avea);
     networ 0;
     double area of triangle (double a, double b, double C)
    } double 5, orea;
      S=(a+b+c)/2;
     aula = 89/l (5 * (5 - a) * (5 - b) * (5 - C));
       return area;
```