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1  #include<stdio.h>
2  int main()
3
4  {
5      int choice;
6      printf("Enter your
choice:\n1.Rectangle\n2.Triangle\n3.Circle\n4.Cylender\n5.Sphere\n");
7      scanf("%d",&choice);
8
9      if(choice==1)
10     {
11         float len,wid;
12         printf("Enter the length of a rectangle:");
13         scanf("%f",&len);
14         printf("Enter the width of a rectangle:");
15         scanf("%f",&wid);
16         printf("Area of the rectangle is %f sq unit.",len*wid);
17     }
18     else if(choice==2)
19     {
20         float base,height;
21         printf("Enter the base of a triangle:");
22         scanf("%f",&base);
23         printf("Enter the height of a triangle:");
24         scanf("%f",&height);
25         printf("Area of the triangle is %f sq unit.",(base*height)/2);
26     }
27     else if(choice==3)
28     {
29         float radious;
30         printf("Enter the radious of a circle:");
31         scanf("%f",&radious);
32         printf("Area of the circle is %f sq unit.",3.1416*radious*radious);
33     }
34     else if(choice==4)
35     {
36         int ch,i;
37         printf("Enter your choice:\n1.Area \n2.Volume\n");
38         scanf("%d",&ch);
39         if (ch==1)
40         {
41             float rad,higt;
42             printf("Enter radious of a cylender:");
43             scanf("%f",&rad);
44             printf("Enter the height of a cylender:");
45             scanf("%f",&higt);
46             printf("Area of the cylender is %f sq unit.",(2*3.1416*rad*higt));
47         }
48         else
49         {
50             float r,h;
51             printf("Enter the rasious of a cylender:");
52             scanf("%f",&r);
53             printf("Enter the height of a cylender:");
54             scanf("%f",&h);
55             printf("Volume of the cylender is %f qubic unit.",3.1416*r*r*h);
56         }
57     }
58 }
59 else
60 {
61     int ch;
62     printf("Enter your choice:\n1.Area \n2.Volume");
63     scanf("%d",&ch);
64     if(ch==1)
65     {

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66         float rad;
67         printf("Enter the radius of a sphere: ");
68         scanf("%f",&rad);
69         printf("Area of the sphere is %f sq unit.",(4*3.1416*rad*rad));
70     }
71
72     else
73     {
74         float rad;
75         printf("Enter the radius of a sphere:");
76         scanf("%f",&rad);
77         printf("Volume of the sphere is %f cubic unit.",(3.1416*rad*rad*rad)*4/3);
78     }
79 }
80
81 }
```