

```
1 #include<iostream>
2 #include<cstdlib>
3 using namespace std;
4
5 float area(float r)
6 {
7     return(3.14 * r * r);
8 }
9 float area(float b,float h)
10 {
11     return(0.5 * b * h);
12 }
13 float a(float l,float b)
14 {
15     return (l * b);
16 }
17 int main()
18 {
19     float b,h,r,l;
20     int ch;
21
22     do
23     {
24         cout<<"\n\n *****Menu***** \n";
25         cout<<"\n 1. Area of Circle";
26         cout<<"\n 2. Area of Triangle";
27         cout<<"\n 3. Area of Rectangle";
28         cout<<"\n 4. Exit";
```

```

29 cout<<"\n\n Enter Your Choice : ";
30 cin>>ch;
31 switch(ch)
32 {
33     case 1:
34     {
35         cout<<"\n Enter the Radius of Circle : ";
36         cin>>r;
37         cout<<"\n Area of Circle : "<<area(r);
38         break;
39     }
40     case 2:
41     {
42         cout<<"\n Enter the Base & Height of Triangle : ";
43         cin>>b>>h;
44         cout<<"\n Area of Triangle : "<<area(b,h);
45         break;
46     }
47     case 3:
48     {
49         cout<<"\n Enter the Length & Bredth of Rectangle : ";
50         cin>>l>>b;
51         cout<<"\n Area of Rectangle : "<<a(l,b);
52         break;
53     }

```

```
54         case 4:
55             exit(0);
56         default:
57             cout<<"\n Invalid Choice... ";
58     }
59 }while(ch!=4);
60 return 0;
61 }
```

*****Menu*****

1. Area of Circle
2. Area of Triangle
3. Area of Rectangle
4. Exit

Enter Your Choice : 1

Enter the Radius of Circle : 2

Area of Circle : 12.56

*****Menu*****

1. Area of Circle
2. Area of Triangle
3. Area of Rectangle
4. Exit

Enter Your Choice : 2

Enter the Base & Height of Triangle : 2

Area of Triangle : 3

*****Menu*****

1. Area of Circle
2. Area of Triangle
3. Area of Rectangle
4. Exit

```
4. Exit
Enter Your Choice : 2
Enter the Base & Height of Triangle : 2
3
Area of Triangle : 3
****Menu****
1. Area of Circle
2. Area of Triangle
3. Area of Rectangle
4. Exit
Enter Your Choice : 3
Enter the Length & Bredth of Rectangle : 4
5
Area of Rectangle : 20
****Menu****
1. Area of Circle
2. Area of Triangle
3. Area of Rectangle
4. Exit
Enter Your Choice : 4
...Program finished with exit code 0
Press ENTER to exit console.
```