

# ASSIGNMENT :7

```
#include<iostream>
#include<math.h>
using namespace std;
int main()
{
    float a,b,c,s,r,area;
    int ch;
    cout<<"1.area of circle";
    cout<<"\n2.area of rectangle";
    cout<<"\n3.area of triangle";
    cout<<"\nenter your choice:";
    cin>>ch;
    switch(ch)
    {
    case 1:
        {
            cout<<"\nenter radius of the circle:";
            cin>>r;
            area =3.14*r*r;
            break;
        }
    }
```

case 2:

```
{  
    cout<<"\nenter length and breadth of rectangle:";  
    cin>>a>>b;  
    area =a*b;  
    break;  
}
```

case 3:

```
{  
    cout<<"\nenter three sides of triangle:";  
    cin>>a>>b>>c;  
    s=(a+b+c)/2;  
    area =sqrt(s*(s-a)*(s-b)*(s-c));  
    break;  
}  
default:cout<<"\nInvalid choice try again!!!";  
    break;  
}  
cout<<"area="<<area ;  
return 0;  
}
```