```
#include<iostream.h>
#include<stdlib.h>
#include<conio.h>
#define pi 3.14
class fn
{
              public:
               void area(int); //circle
               void area(int,int); //rectangle
               void area(float ,int,int); //triangle
};
void fn::area(int a)
{
              cout<<"Area of Circle:"<<pi*a*a;
}
void fn::area(int a,int b)
{
              cout<<"Area of rectangle:"<<a*b;</pre>
void fn::area(float t,int a,int b)
{
              cout<<"Area of triangle:"<<t*a*b;
}
void main()
        int ch;
        int a,b,r;
        clrscr();
        fn obj;
        cout<<"\n\t\tFunction Overloading";
        cout<<"\n1.Area of Circle\n2.Area of Rectangle\n3.Area of Triangle\n4.Exit\n:";
        cout<<"Enter your Choice:";
        cin>>ch;
        switch(ch)
        {
                              case 1:
                                    cout<<"Enter Radious of the Circle:";
                                    cin>>r;
                                    obj.area(r);
                                    break;
                              case 2:
```

```
cout<<"Enter Sides of the Rectangle:";
    cin>>a>>b;
    obj.area(a,b);
    break;
case 3:
    cout<<"Enter Sides of the Triangle:";
    cin>>a>>b;
    obj.area(0.5,a,b);
    break;
case 4:
    exit(0);
}
getch();
}
```