```java
class Figure{
        double a;
        double b;
        Figure(double x,double y){
                a = x;
                b = y;
        }
        void area(){
                System.out.println("Area for Fiigure is undefined. ");
                System.out.println("Area is "+0);
        }
}

class Rectangle extends Figure{
        Rectangle(double x,double y){
                super(x,y);
        }
        void area(){
                System.out.println("Inside Area for Rectangle. ");
                System.out.println("Area is "+ (a*b));
        }
}

class Triangle extends Figure{
        Triangle(double x,double y){
                super(x,y);
        }
        void area(){
                System.out.println("Inside Area for Triangle. ");
                System.out.println("Area is "+ (a*b*5));
        }
}


public class Additional{
        public static void main(String args[]){
                Rectangle r = new Rectangle(10,5);
                Triangle t = new Triangle(10, 8);
                Figure f = new Figure(1,10);
                f.area();
```

```
Figure f = new Figure(1,10);
        f.area();
        Figure figref;
        figref = r;

        figref.area();
        figref = t;

        figref.area();
    }
}
```

```
Enter the number of students:
1
Enter the USN:
asdf
Enter the Name:
asdf
Enter all three sub marks
12
12
12
USN : asdf
NAME : asdf
Avg marks : 12.0
```