ASSIGNMENT NO 04

```
package mypack;
public class Abstractdemo
{
  public static void main(String args[])
  {
        Shape t=new triangle();
        t.getShapedata();
        t.Computearea();

        Shape r=new Rectangle();
        r.getShapedata();
        r.Computearea();
  }
}
```

```java
package mypack;
public class Rectangle extends Shape
{
 void Computearea()
 {
   System.out.println("ARea of rectangle is:"+(height*width));
 }
}
```

```java
package mypack;
import java.util.Scanner;
abstract class Shape
{
 public double height,width;

 abstract void Computearea();

 void getShapedata()
 {
      Scanner s=new Scanner(System.in);
      System.out.println("Enter the height :");
      height=s.nextDouble();
      System.out.println("Enter the width :");
      width=s.nextDouble();
 }
}
```

```
package mypack;

public class triangle extends Shape
{
 void Computearea()
 {
      System.out.println("Area of Triangle
:"+(0.5*height*width));
 }
}
```