LAB 4

```java
abstract class shape{
   int x,y;
   abstract void printArea();
}
class rectangle extends shape
{
   rectangle(int a,int b){
       x=a;
       y=b;
     }
  void printArea(){
     System.out.println("Area of rectangle is "+(x*y));
   }
}
class triangle extends shape
{
   triangle(int a,int b){
       x=a;
       y=b;
     }
  void printArea(){
   System.out.println("Area of triangle is "+(0.5*x*y));
   }
}
class circle extends shape
{
   circle(int a){
       x=a;
     }
  void printArea(){
     System.out.println("Area of circle is "+(3.142*x*x));
   }
}
public class Main
{
        public static void main(String[] args) {
          rectangle rect = new rectangle(5,5);
          triangle tri = new triangle(6,3);
          circle cir = new circle(5);
          rect.printArea();
          tri.printArea();
          cir.printArea();
          }
}
```

```
`
Area of rectangle is 25
Area of triangle is 9.0
Area of circle is 78.55


...Program finished with exit code 0
Press ENTER to exit console.
```