Week 8

Shape.java

```
import java.util.Scanner;
abstract class shape {
   int int1, int 2;
abstract double printArea();
}
class Rectangle extends shape {
Rectangle (int a, int b), {
   int1 = a;
   int 2 : b;
}
double print Area() {
System.out.println("For Rectangle ");
return int1, int 2;
}
}
class Triangle extends shape {
 Triangle (int a, int b) {
    int1 : a;
   int 2 = b;
}
 double print Area () {
```

```
System.out.println("For Triangle ");
return (int 1 * int 2) / 2;
}
}
class circle extends shape {
 circle(int a) {
int 1 = a;
}
double print Area() {
System.out.println(" For circle ");
return 3.14 * int 1 * int 1;
}
}
class shapeMain {
public static void Main(String arge[]) {
 Rectangle r = new Rectangle(10, 20);
Triangle T = new Triangle(20, 30);
Circle c = new Circle (35);

System.out.println(Area of Rectangle is: "+r.PrintArea());
System.out.println("Area of triangle is: "+t.print Area());
System.out.println("Area of circle is: " c.print Area());
}
}
```