

Week 8

1) ~~import~~ java.util.Scanner;

abstract class Shape {

int b, h;

Shape (int base, int height) {

this.b = base;

this.h = height;

}

void ~~print~~ printArea() {};

}

class Rectangle extends Shape {

Rectangle (int base, int height) {

super (base, height);

}

void printArea() {

System.out.println ("Area of the rectangle is = " + (b*h));

};

}

class Triangle extends Shape {

Triangle (int base, int height) {

super (base, height);

}

void printArea() {

System.out.println ("Area of the triangle is = " + (b*h)/2);

};

}

class Circle extends Shape {

Circle (int height) {

super (0, height);

}


```
void printArea () {
```

```
    System.out.println ("Area of the circle is = " + (3.14 * h * h));
```

```
}
```

```
}
```

```
Class Wk8prog1 {
```

```
    public static void main (String [] args) {
```

```
        Rectangle r = new Rectangle (10, 5);
```

```
        Triangle t = new Triangle (10, 5);
```

```
        Circle c = new Circle (10);
```

```
        r.printArea ();
```

```
        t.printArea ();
```

```
        c.printArea ();
```

```
    }
```

```
}
```