6.2

Circle
-radius:double = 1.0 -color:String = "red"
+Circle() +Circle(radius:double) +Circle(radius:double, color:String) +getRadius():double +setRadius(radius:double):void +getColor():String +setColor(color:String):void +toString():String •----------- "Circle[radius=?,color=?]" +getArea():double +getCircumference():double

```javascript
class circle {
  constructor(radius , colour) {
    this.radius = 1.0;
    this.colour = "red";
  }
  getRadius(){
    return this.radius ;
  }
  setRadius(val) {
   this.radius = val;
  }
  getColour() {
    return this.colour ;
  }
  setColour(val) {
    this.colour = val ;
  }
  toString() {
    return `Circle [Radius=(${[(this.radius)]}) , Colour=(${[(this.colour)]})]` ;
  }
  getArea() {
    return 3.14*this.radius*this.radius ;
  }
  getCircumference() {
    return 2*3.14*this.radius ;
  }
}
let circle1 = new circle();
circle1.radius = 6.2;
circle1.colour = "blue"
console.log(circle1)

console.log(circle1.getRadius());
circle1.setRadius(7.2);
console.log(circle1);
```

```
console.log(circle1.getColour());
circle1.setColour("yellow")
console.log(circle1);

console.log(circle1.toString());

console.log(circle1.getArea());
console.log(circle1.getCircumference());
```

OUTPUT:

```
[Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"
circle { radius: 6.2, colour: 'blue' }
6.2
circle { radius: 7.2, colour: 'blue' }
blue
circle { radius: 7.2, colour: 'yellow' }
Circle [Radius=(7.2) , Colour=(yellow)]
162.7776
45.216
```