

4 Getter and Setter Methods

- In JavaScript, getter and setter methods are used to control access to object properties
- They allow you to define custom behavior when getting and setting a property

```
class Product {
  constructor(price) {
    this.price = price;
  }
  //Getter for price
  get GetPrice() {
    return this.price;
  }
  // Setter for price
  set SetPrice(value) {
    this.price = value;
  }
}

const product = new Product(20);
console.log(product.GetPrice);

product.SetPrice = 25; // Setting the price using the Setter
console.log(product.GetPrice); // Getting the price using the Getter
```

```
class Triangle {

  constructor(Base,Height) {
    this.Base = Base;
    this.Height = Height;
  }

  // Setter
  set SetBase(Base) {
    this.Base = Base;
  }
  set SetHeight(Height) {
    this.Height = Height;
  }

  get GetArea(){
    return 0.5*this.Base* this.Height;
  }
}

const triangle = new Triangle(20,40);
console.log(triangle.GetArea)

//Set New Base & Height
triangle.SetBase=25;
triangle.SetHeight=45;

console.log(triangle.GetArea)
```

#JavaScript_OOP