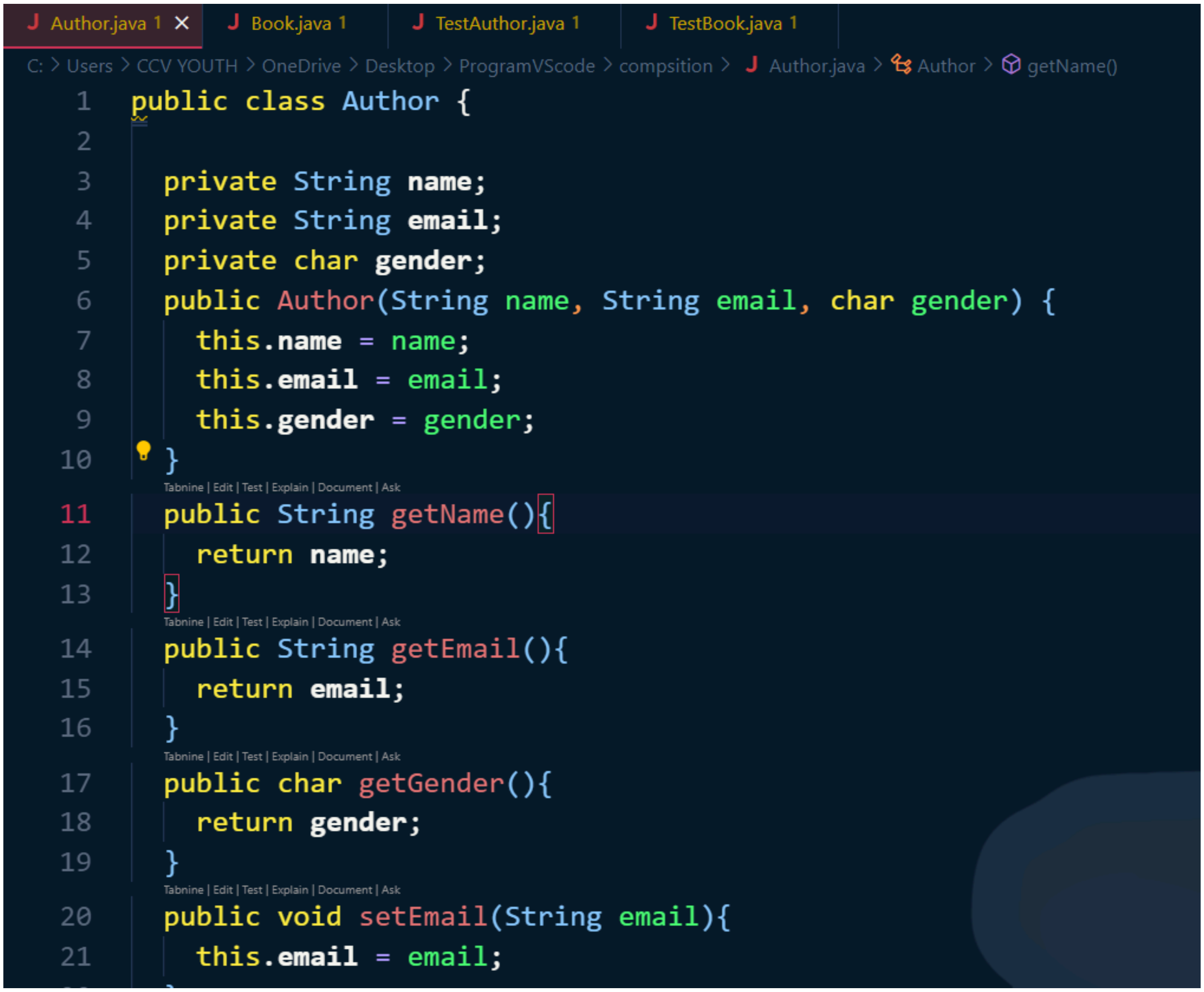
Author Class:

- Represents an author with `name`, `email`, and `gender` attributes.
- Includes a constructor to initialize these fields and getter methods to access the attributes.
- `setEmail` allows modifying the author's email.
- `toString` method generates a string representation of the author's details.

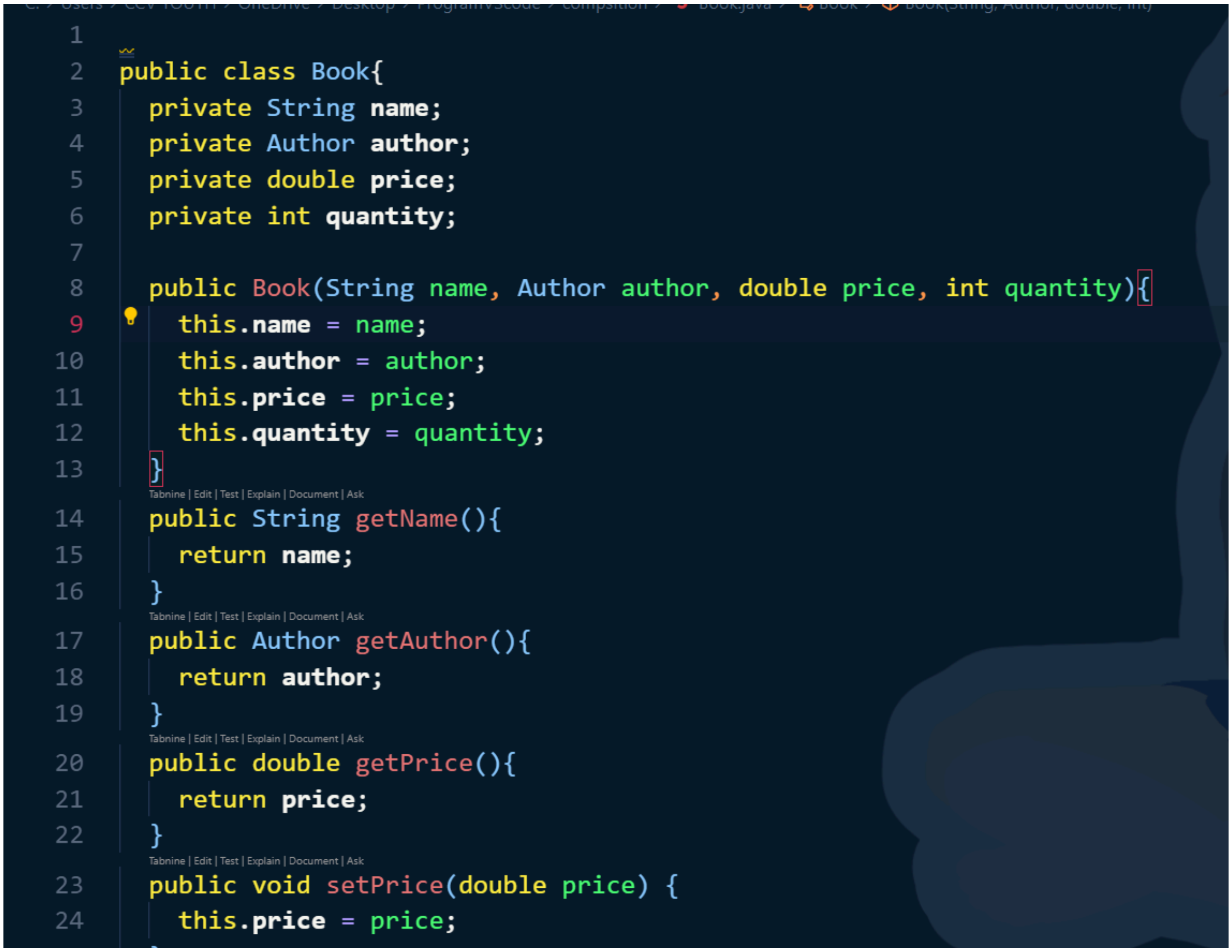

Author.java 1
Book.java 1
TestAuthor.java 1
TestBook.java 1
C: > Users > CCV YOUTH > OneDrive > Desktop > ProgramVScode > compsition > Author.java > Author > getName()
Tabnine | Edit | Test | Explain | Document | Ask

```java
public class Author {

  private String name;
  private String email;
  private char gender;
  public Author(String name, String email, char gender) {
    this.name = name;
    this.email = email;
    this.gender = gender;
  }
  public String getName(){
    return name;
  }
  public String getEmail(){
    return email;
  }
  public char getGender(){
    return gender;
  }
  public void setEmail(String email){
    this.email = email;
```

Book Class:

- Represents a book with `name`, `author`, `price`, and `quantity` attributes.
- The constructor initializes these fields, and there are getter and setter methods for modifying `price` and `quantity`.
- `toString` method generates a string representation of the book with its name and the author's details.


C: > Users > CCV YOUTH > OneDrive > Desktop > ProgramVScode > compsition > Book.java > Book > Book(String, Author, double, int)
Tabnine | Edit | Test | Explain | Document | Ask

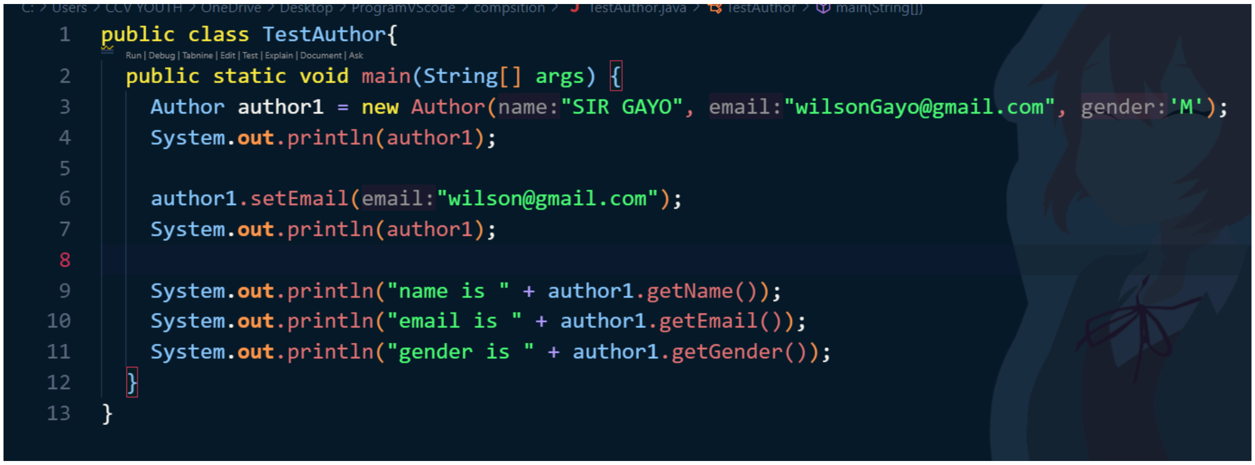
```java

public class Book{
  private String name;
  private Author author;
  private double price;
  private int quantity;

  public Book(String name, Author author, double price, int quantity){
    this.name = name;
    this.author = author;
    this.price = price;
    this.quantity = quantity;
  }
  public String getName(){
    return name;
  }
  public Author getAuthor(){
    return author;
  }
  public double getPrice(){
    return price;
  }
  public void setPrice(double price) {
    this.price = price;
```

TestAuthor Class:

- Creates an `Author` object and prints its details using `toString()`.
- Modifies the author's email using `setEmail()`.
- Prints individual details (name, email, gender) using getter methods.


C: > Users > CCV YOUTH > OneDrive > Desktop > ProgramVScode > compsition > TestAuthor.java > TestAuthor > main(String[])
Run | Debug | Tabnine | Edit | Test | Explain | Document | Ask

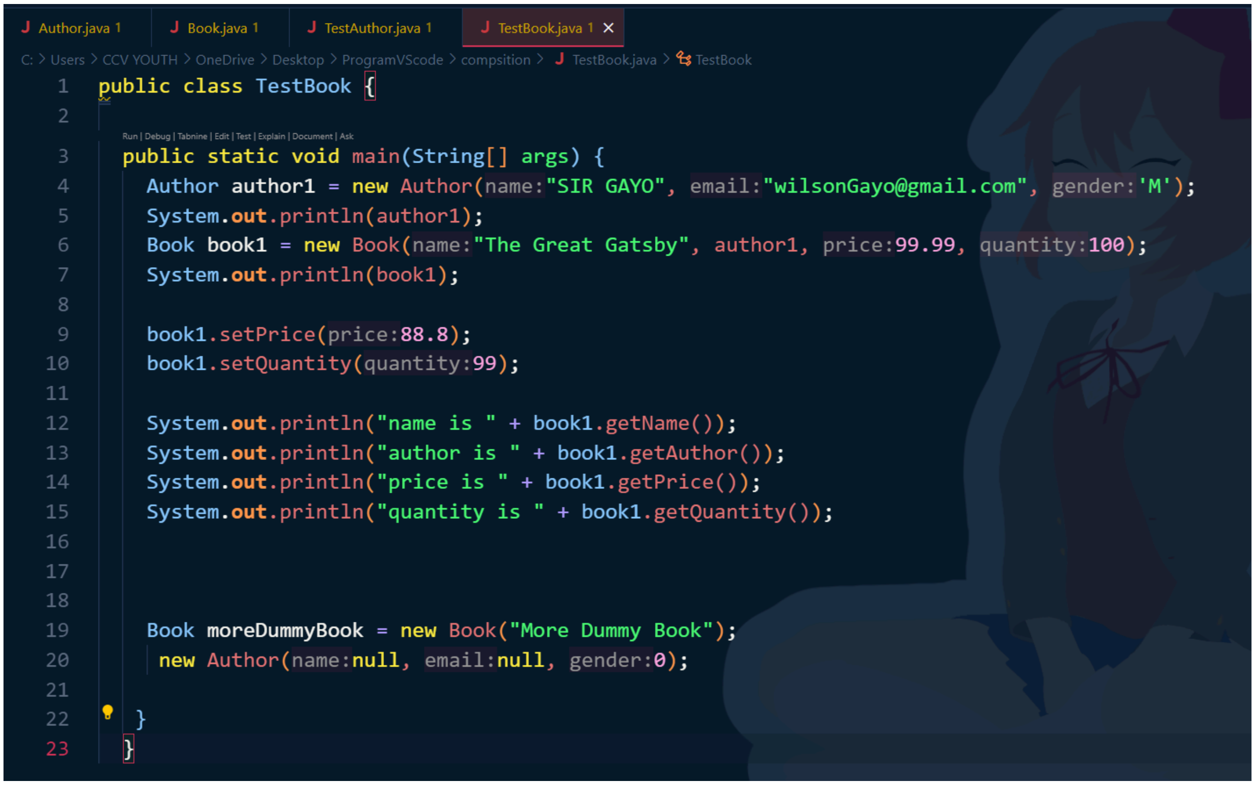
```java
public class TestAuthor{
  public static void main(String[] args) {
    Author author1 = new Author(name:"SIR GAYO", email:"wilsonGayo@gmail.com", gender:'M');
    System.out.println(author1);

    author1.setEmail(email:"wilson@gmail.com");
    System.out.println(author1);

    System.out.println("name is " + author1.getName());
    System.out.println("email is " + author1.getEmail());
    System.out.println("gender is " + author1.getGender());
  }
}
```

TestBook Class:

- Creates an `Author` and a `Book` object.
- Displays the book details using the `toString()` method.
- Modifies the book's price and quantity using setter methods.
- The `Book` constructor at the end (`new Book("More Dummy Book")`) is incomplete because it doesn't provide the required arguments like the `author`, `price`, and `quantity`.


Author.java 1
Book.java 1
TestAuthor.java 1
TestBook.java 1
C: > Users > CCV YOUTH > OneDrive > Desktop > ProgramVScode > compsition > TestBook.java > TestBook
Run | Debug | Tabnine | Edit | Test | Explain | Document | Ask

```java
public class TestBook {

  public static void main(String[] args) {
    Author author1 = new Author(name:"SIR GAYO", email:"wilsonGayo@gmail.com", gender:'M');
    System.out.println(author1);
    Book book1 = new Book(name:"The Great Gatsby", author1, price:99.99, quantity:100);
    System.out.println(book1);

    book1.setPrice(price:88.8);
    book1.setQuantity(quantity:99);

    System.out.println("name is " + book1.getName());
    System.out.println("author is " + book1.getAuthor());
    System.out.println("price is " + book1.getPrice());
    System.out.println("quantity is " + book1.getQuantity());



    Book moreDummyBook = new Book("More Dummy Book");
     new Author(name:null, email:null, gender:0);

   }
  }
```