SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

COURSE NAME : 23CSB101 & Object Oriented Programming

I YEAR/ II SEMESTER

UNIT – I INTRODUCTION TO OOP & JAVA

Topic: Java Doc Comments

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Java Doc Comment

- **JavaDoc comments** are special comments used to generate **HTML documentation** from Java cod
- Written using /** ... */, different from regular comments (// or /* ... */).
- Placed **above classes, methods, and fields** to describe their purpose

Java Doc Comment

- Create a Java class Book with:
  - Instance variables: title, author, price.
  - Methods: displayBookInfo()
  - Add JavaDoc comments.

Generate JavaDoc from Code

- Save the file as Book.java.
- Open a terminal or command prompt.
- Navigate to the directory containing the file.
- Run:
- javadoc -d docs Book.java
- Open docs/index.html in a web browser to view the generated documentation

Java Doc Comment

```java
/**
 * The Book class represents a book in a library.
 * It stores book details and provides a method to display them.
 *
 * @author Student
 * @version 1.0
 */
public class Book {
    private String title;
    private String author;
    private double price;
```

```java
/**
 * Constructor to initialize a book.
 *
 * @param title Book title
 * @param author Book author
 * @param price Book price
 */
public Book(String title, String author, double price) {
    this.title = title;
    this.author = author;
    this.price = price;
}
```

```java
/**
 * Displays book information.
 */
public void displayBookInfo() {
    System.out.println("Title: " + title + ", Author: " + author + ", Price: $" + price);
}
}
```

References

- Java : the complete Reference (Eleventh Edition), Herbert Schildt, 2018.