Step 1: Create HTML file from the Square example

Square.java

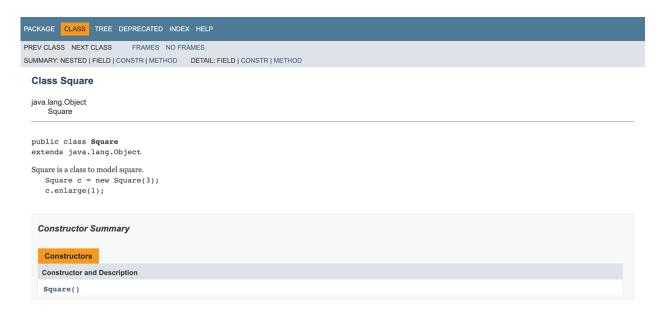
```
/**
* Square is a class to model square.
* 
* Square c = new Square(3);
* c.enlarge(1);
* 
* @author Bill Clinton (clinton@yahoo.com)
* @version 0.1 1 January 2000
*/
public class Square {
  // attribute comment: --- 2%
  * s is the length of a square's side
  */
 private int s;
  // method comment: --- 3%
   * Enlarge the side of the square
   * @param r the value to be added to the length of each side
   public void enlarge(int r) {
    s += r;
  // method comment: --- 3%
   * Compute the area of a square
   * @return the area of the square
   */
   public double area() {
    return s * s;
```

```
}
```

Generate HTML files:

```
Yogeshwars-MacBook-Pro:week9_lab yogeshwarkulkarni$ javadoc *.java
Loading source file Square.java...
Constructing Javadoc information...
Standard Doclet version 1.8.0_111
Building tree for all the packages and classes... Generating ./Square.html...
Generating ./package-frame.html...
Generating ./package-summary.html...
Generating ./package-tree.html...
Generating ./constant-values.html...
Building index for all the packages and classes...
Generating ./overview-tree.html...
Generating ./index-all.html...
Generating ./deprecated-list.html...
Building index for all classes...
Generating ./allclasses-frame.html...
Generating ./allclasses-noframe.html...
Generating ./index.html...
Generating ./help-doc.html...
```

Index.html



Method Summary

II Methods Instance Metho	ods Concrete Methods
odifier and Type	Method and Descrip
puble	area() Compute the area of
oid	enlarge(int r)
	Enlarge the side of
ethods inherited from clas	a iawa lawa Ohiaat

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Square

public Square()

Method Detail

enlarge

public void enlarge(int r)

Enlarge the side of the square

Parameters:

r - the value to be added to the length of each side

area

public double area()

Compute the area of a square

Returns:

the area of the square

Step 2: Add JavaDoc to the Date class and create HTML file

```
Date.java
* Date is a class to model square.
* 
* Date c = new Date(4,4,2020);
* c.nextDay();
* c.theDayBeforeYesterday();
* 
* @author Juilee Panse (juilee@yahoo.com)
* @version 0.1 4 March 2020
*/
public class Date {
 /**
  * day is the day of Date
 private int day;
 /**
  * month is the day of Date
  */
 private int month;
  * year is the year of Date
 private int year;
 /**
  * The constructor to create an object
  * @param day is the day of Date
  * @param month is the month of Date
  * @param year is the year of Date
 public Date (int day, int month, int year){
   this.day = day;
   this.month = month;
   this.year = year;
 }
```

```
/**
* set the Day of Date
* @param day of the Date
 public void setDay(int day){
   this.day = day;
 }
/**
* set the Month of Date
* @param month of the Date
*/
public void setMonth(int month){
 this.month = month;
}
/**
* set the year of Date
* @param year of the Date
*/
public void setYear(int year){
 this.year = year;
}
/**
* get the Day of Date
* @return day of Date
*/
 public int getDay(){
   return this.day;
 }
/**
* get the Month of Date
* @return month of Date
*/
public int getMonth(){
 return this.month;
}
* get the year of Date
* @return year of Date
*/
public int getYear(){
```

```
return this.year;
}

/**
 * Change the Day to the next day
 */
 public void nextDay() {
    this.day += 1;
 }

/**
 * Change the Day to the day before yesterday
 */
 public void theDayBeforeYesterday() {
    this.day -= 2;
 }
}
```

Generate HTML files:

```
Yogeshwars-MacBook-Pro:week9_lab2 yogeshwarkulkarni$ javadoc *.java
Loading source file Date.java...
Constructing Javadoc information...
Standard Doclet version 1.8.0_111
Building tree for all the packages and classes...
Generating ./Date.html...
Generating ./package-frame.html...
Generating ./package-summary.html...
Generating ./package-tree.html...
Generating ./oonstant-values.html...
Building index for all the packages and classes...
Generating ./overview-tree.html...
Generating ./index-all.html...
Generating ./deprecated-list.html...
Building index for all classes...
Generating ./allclasses-frame.html...
Generating ./allclasses-frame.html...
Generating ./allclasses-noframe.html...
Generating ./help-doc.html...
```

Index.html



public class Date
extends java.lang.Object
Date is a class to model square.
 Date c = new Date(4, 4, 2020);
 c.nextDay();
 c.theDayBeforeYesterday();

Constructor Summary

Constructors

Constructor and Description

Date(int day, int month, int year)
The constructor to create an object

Method Summary

t getDay() get the Day of Dat t getMonth() get the Month of I t getYear() get the year of Dat id nextDay() Change the Day to id setDay(int da set the Day of Dat id setWenth(int set the Month of I id setYear(int y set the year of Dat	All Methods	Instance Methods	Concrete Methods
get the Day of Dat t getMonth() get the Month of I t getYear() get the year of Dat id nextDay() Change the Day to id setDay(int da set the Day of Dat id setMonth(int set the Month of I id setYear(int y set the year of Dat	Modifier and Typ	ype	Method and Descrip
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Change the Day to setDay(int da set the Day of Dat id setMonth(int set the Month of I id setYear(int y set the year of Dat	int		getYear() get the year of Date
set the Day of Dat id setMonth(int set the Month of I id setYear(int y set the year of Dat	void		nextDay() Change the Day to t
set the Month of I setYear(int y set the year of Dat	void		setDay(int day) set the Day of Date
set the year of Dat	void		setMonth(int mo
id theDayBeforeY	void		setYear(int yearset the year of Date
Change the Day to	void		theDayBeforeYe

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Date

The constructor to create an object

Parameters:

```
day - is the day of Date
month - is the month of Date
year - is the year of Date
```

Method Detail

setDay

```
public void setDay(int day)
set the Day of Date
Parameters:
day - of the Date
```

setMonth

```
\label{eq:public_void} \mbox{ setMonth(int month)} set the Month of Date
```

Parameters:

month - of the Date

setYear

```
public void setYear(int year)
set the year of Date
Parameters:
year - of the Date
```

getDay

```
public int getDay()
get the Day of Date
Returns:
day of Date
```

getMonth

```
public int getMonth()
get the Month of Date
Returns:
month of Date
```

getYear

```
public int getYear()
get the year of Date
Returns:
```

year of Date

nextDay

public void nextDay()

Change the Day to the next day

theDayBeforeYesterday

public void theDayBeforeYesterday()

Change the Day to the day before yesterday