

Practical no. 7

FS19CO042

Aim: Generate complete Javadocs for any two of the above experiments

Tool used: Editor (Notepad/Intellij IDE), JDK and JRE

Code:

File 1, exp7a.java

```
import java.util.Scanner;

/**
 * in this class we are adding the square root of indivisual numbers;
 */

public class exp7a{

    /**
     * in this method we are taking the numbers as input and returning the addtion to main function;
     * @param x;
     * @return to main;
     */
    public static int add(int ...x)
    {
        return x[0]*x[0]+x[1]*x[1];
    }

    /**
     * this is the main method where the calling to add function is done and printing the result;
     * @param args
     */
    public static void main(String args[])
    { //creating Scanner class object and passing system.in ;
        Scanner sc= new Scanner(System.in);
        System.out.println("enter the first number:");
        int n1=sc.nextInt();
        System.out.println("enter the second number:");
        int n2=sc.nextInt();
        int a=exp7a.add(n1,n2);
        System.out.print("the addtion of square root of indivisual is :"+a);
    }
}
```

File 2, exp7b.java

```
import java.util.Arrays;

/**
 * this is a assignment7 class for sorting the array;
 */
public class exp7b{

    /**
     * This is the main method where the arrays sorted and printed;
     * @param args
     */
    public static void main(String args[])
    {
        System.out.println("sorting the array.....");
        System.out.println("sorted array:");
        Arrays.sort(args);
        for(String i:args)
        {
            System.out.println(i);
        }
    }
}
```

Generating docs:

Perform following commands to generate doc:

javadoc -d .\pathToDestination .\pathToSrc.java file.

Actual commands:

javadoc -d .\javadocs\ .\exp7a.java

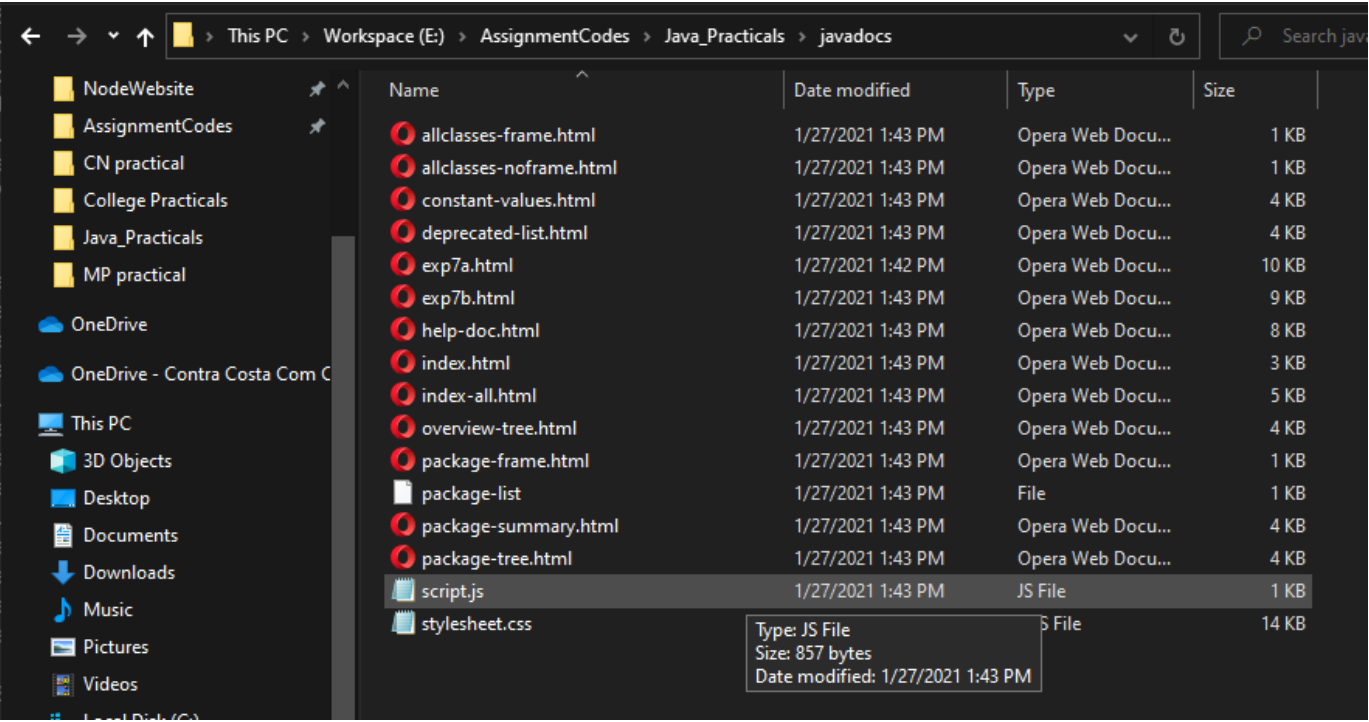
javadoc -d .\javadocs\ .\exp7b.java

Console output:

```
Windows PowerShell
PS E:\AssignmentCodes\Java_Practicals> javadoc -d .\javadocs\ .\exp7a.java
Loading source file .\exp7a.java...
Constructing Javadoc information...
Standard Doclet version 1.8.0_251
Building tree for all the packages and classes...
Generating .\javadocs\exp7a.html...
.\exp7a.java:17: warning: no description for @param
    * @param args
      ^
Generating .\javadocs\package-frame.html...
Generating .\javadocs\package-summary.html...
Generating .\javadocs\package-tree.html...
Generating .\javadocs\constant-values.html...
Building index for all the packages and classes...
Generating .\javadocs\overview-tree.html...
Generating .\javadocs\index-all.html...
Generating .\javadocs\deprecated-list.html...
Building index for all classes...
Generating .\javadocs\allclasses-frame.html...
Generating .\javadocs\allclasses-noframe.html...
Generating .\javadocs\index.html...
Generating .\javadocs\help-doc.html...
1 warning
PS E:\AssignmentCodes\Java_Practicals> |
```

```
Windows PowerShell
PS E:\AssignmentCodes\Java_Practicals> javadoc -d .\javadocs\ .\exp7b.java
Loading source file .\exp7b.java...
Constructing Javadoc information...
Standard Doclet version 1.8.0_251
Building tree for all the packages and classes...
Generating .\javadocs\exp7b.html...
.\exp7b.java:8: warning: no description for @param
    *@param args
      ^
Generating .\javadocs\package-frame.html...
Generating .\javadocs\package-summary.html...
Generating .\javadocs\package-tree.html...
Generating .\javadocs\constant-values.html...
Building index for all the packages and classes...
Generating .\javadocs\overview-tree.html...
Generating .\javadocs\index-all.html...
Generating .\javadocs\deprecated-list.html...
Building index for all classes...
Generating .\javadocs\allclasses-frame.html...
Generating .\javadocs\allclasses-noframe.html...
Generating .\javadocs\index.html...
Generating .\javadocs\help-doc.html...
1 warning
PS E:\AssignmentCodes\Java_Practicals> |
```

Docs Output:



file:///E:/AssignmentCodes/Java_Practicals/javadocs/exp7a.html

PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Class exp7a

java.lang.Object
exp7a

```
public class exp7a
extends java.lang.Object
```

in this class we are adding the square root of individual numbers;

Constructor Summary

Constructors

Constructor and Description
exp7a()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type	Method and Description
static int	add (int... x) in this method we are taking the numbers as input and returning the addition to main function;
static void	main (java.lang.String[] args) this is the main method where the calling to add function is done and printing the result;

Methods inherited from class java.lang.Object

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

<

>

↺

⚙

file:///E:/AssignmentCodes/Java_Practicals/javadocs/exp7b.html

🔍

🖼

▶

♥

📦

⬇

☰

PACKAGE

CLASS

TREE

DEPRECATED

INDEX

HELP

PREV CLASS

NEXT CLASS

FRAMES

NO FRAMES

ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHODDETAIL: FIELD | CONSTR | METHOD

Class exp7b

java.lang.Object
exp7b

public class **exp7b**
extends java.lang.Object

this is a assignment7 class for sorting the array;

Constructor Summary

Constructors

Constructor and Description

exp7b()

Method Summary

All MethodsStatic MethodsConcrete Methods

Modifier and Type

Method and Description

static voidmain(java.lang.String[] args)
This is the main method where the arrays sorted and printed;

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Conclusion: Thus we understood and successfully created javadocs for our project using various techniques used for commenting and documenting java experiments.