Name of the Course : Complete Java SE8 Developer Bootcamp

Level : Easy

Tool Stack: Java 8

Problem Statement : Provide a code solution to capitalise the first word in a given sentence.

Provide code to achieve the desired output.

Sample Input : world is beautiful.

Sample Output : World Is Beautiful.

Description : Create class Capitalize with following methods .

1.public static String printCapitalize(String istr) which accepts a string and return the capitalised string.

2.Public static void main(String arg[])for accepting user input and invokes methods printCapitalize()

Code:

**import** java.util.Scanner;

**import** java.util.StringTokenizer;

**public** **class** Capitalize {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

String s = sc.nextLine();

System.***out***.println(*printCapitalized*(s));

}

**public** **static** String printCapitalized(String s) {

StringTokenizer st= **new** StringTokenizer(s," ");

StringBuffer sb= **new** StringBuffer();

**while**(st.hasMoreTokens())

{

String s1=st.nextToken();

String s2=s1.substring(0, 1);

String s3=s1.substring(1);

sb.append(s2.toUpperCase());

sb.append(s3);

sb.append(" ");

}

**return** sb.toString().trim();

}

}

Junit Testing

**import static org.junit.Assert.assertEquals;**

**import org.junit.Test;**

**import handson.Capitalize;**

**import handson.ConvertToWords;**

**import handson.DuplicateWord;**

**public class TestCapitalised {**

**@Test**

**public void testDuplicateWordRemoval() {**

**assertEquals("World Is Beautiful" ,Capitalize.printCapitalized("world is beautiful"));**

**assertEquals("King Rama Is King" ,Capitalize.printCapitalized("king rama is king"));**

**}**

**}**

Test Data1

Sample input:

world is beautiful is

sample output:

World Is Beautiful

Test Data2

sample input :

king rama is king

sample output :

King Rama Is King

Learning outcome: Participant could able to learn how to use String ,StringBuffer classes.