Homework1

1. Given a string of even length, return the first half. Ex: if the string “1234” is given it should output “12 is the first half of 1234” to the console.



Answer:

package homeworks;

public class FirstHalf {

    public static void main(String[] args) {

        String programing = "programing";

        String homework = "homework";

        String marker = "marker";

        String text = "is the first half of";

        System.out.println(programing.substring(0,programing.length()/2)+ " " +

 text+" "+ programing);

        System.out.println(homework.substring(0,homework.length()/2) + " "+ text + " "+ homework);

        System.out.println(marker.substring(0,marker.length()/2)+ " "+ text + " "+ marker);

    }

}

1. Make the last three digit of the string into Uppercase letter. Ex: a string “welcome” is given so the output is “welcOME”.

Answer:

**package** homeworks;

**public** **class** Uppercase {

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

String text = "welcome";

String first = text.substring(0,text.length() -3);

String last = text.substring(4,text.length()).toUpperCase();

System.***out***.println( "From welcom to "+ first + last);

}

}

1. Given a string “www.google.com/”. Try to check the last digit of this string if it ends with “/” output “www.google.com/wep2020” to the console otherwise output “this string doesn’t end with /”

Answer:

**package** homeworks;

**public** **class** LastDegit {

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

String sentence = "www.google.com/";

String trues = "www.google.com/web2020";

String falses = "www.google.com doesn't end with /";

**if**(sentence.endsWith("/")) {

System.***out***.println(trues);

}**else** {

System.***out***.println(falses);

}

}

}

1. Count how many letter ‘o’ in this sentence “this is the most common way.”



Answer:

**package** homeworks;

**public** **class** Count {

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

String sentence = "this is the most common way";

**int** count = 0;

**char** letter = 'o';

**for** (**int** i = 0 ; i < sentence.length(); i++) {

**if**(sentence.charAt(i) == letter) {

count++;

}

}

System.***out***.println("There are"+ " " + count+" " + "letter o in This is the most commeon way.");

}

}

1. We have string “This is the most common way of creating string”. Replace all the words string to STRING.

Answer:

**package** homeworks;

**public** **class** Replace {

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

String sentence = "This is the most common way of creating string";

System.***out***.println( sentence.replace("string","STRING"));

}

}