**String based Task 5**

1. Write a program in java to find the largest and smallest word in a

string.

Test Data :

Input the string : It is a string with smallest and largest word.

Expected Output :

The largest word is &#39;smallest&#39;

and the smallest word is &#39;a&#39;

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| import java.util.Scanner;  class Task\_1 {  public static void isLargestSmallest(String s){  String[] words = s.split(" ");  String minWord = words[0];  String mxWord = words[0];  for (int i = 1; i < words.length; i++) {  String currentWord = words[i];    if (currentWord.length() < minWord.length()) {  minWord = currentWord;  }    if (currentWord.length() > mxWord.length()) {  mxWord = currentWord;  }  }  System.out.println("Smallest word: " + minWord);  System.out.println("Largest word: " + mxWord);  }  public static void main(String[] args) {  Scanner obj = new Scanner(System.in);  System.out.print("Input the string : ");  String str = obj.nextLine();  isLargestSmallest(str);    }  } |
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2.  Write a program in java to convert a string to uppercase without using

pre-defined function

Test Data :

Input a string in lowercase : the quick brown fox jumps over the lazy dog

Expected Output :

Here is the above string in UPPERCASE :

THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

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| import java.util.Scanner;  class Task\_2{    public static void isUpperCaseString(String str){    char ch[]=str.toCharArray();  for(int i = 0; i < ch.length; i++) {  if(ch[i] >= 'a' && ch[i] <= 'z') {  ch[i] = (char)(ch[i] - 32);  }  }  String newstr=new String(ch);  System.out.println("Here is the above string in UPPERCASE :");  System.out.print(newstr);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Input a string in lowercase : ");  String str=obj.nextLine();  isUpperCaseString(str);    }  } |
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3. Write a program in java to convert a string to lowercase without using

pre-defined function

Test Data :

Input a string in UPPERCASE : THE QUICK BROWN FOX JUMPS

OVER THE LAZY DOG.

Expected Output :

Here is the above string in lowercase :

the quick brown fox jumps over the lazy dog.

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| import java.util.Scanner;  class Task\_3{    public static void isLowerCaseString(String str){    char ch[]=str.toCharArray();  for(int i = 0; i < ch.length; i++) {  if(ch[i] >= 'A' && ch[i] <= 'Z') {  ch[i] = (char)(ch[i] + 32);  }  }  String newstr=new String(ch);  System.out.println("\nHere is the above string in lowercase :\n");  System.out.print(newstr);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Input a string in UPPERCASE : ");  String str=obj.nextLine();  isLowerCaseString(str);    }  } |
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4. Write a program in java to replace the spaces of a string with a specific

character.

Test Data :

Input a string :Be glad to see the back of

Input replace character : \*

Expected Output :

After replacing the space with \* the new string is :

Be\*glad\*to\*see\*the\*back\*of\*

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| import java.util.Scanner;  class Task\_4{    public static void isSpecialCharacter(String str,char c){    char ch[]=str.toCharArray();  for(int i = 0; i < ch.length; i++) {  if(ch[i] ==' ') {  ch[i]=c;    }  }  String newstr=new String(ch);  System.out.print(newstr);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Enter String : ");  String str=obj.nextLine();  System.out.print("Input replace character : ");  char ch=obj.next().charAt(0);  isSpecialCharacter(str,ch);    }  } |
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5.  Write a program in java to split string by space into words.

Test Data :

Input a string : this is a test string

Expected Output :

Strings or words after split by space are :

this

is

a

test

string

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| import java.util.Scanner;  class Task\_5{    public static void isNewLineStirng(String str){    String[] s=str.split(" ");  for(int i = 0; i < s.length; i++) {    System.out.println(s[i]);    }  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Enter String : ");  String str=obj.nextLine();  isNewLineStirng(str);    }  } |
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