Big Data and Hadoop Development

A C A D G I L D

1.

Introduction

In this assignment you need to understand basic operations on Java string.

2.

Objective

Hadoop is majorly used for Text data analysis.

This assignment will help you to understand how to handle text data

.

3.

Prerequisites

Acadgild’s VM , or L

inux operating sys

tem with Hadoop installed in it.

4.

Associated Data Files

No data files

5.

Problem Statement

Note: consider this string

line for below assignment problems.

String line=”Hadoop is open source frame work ,Hadoop is good framework for handling big data”;

1.

Class a sample class with name String\_demo and inside the main method perform the following

operation

•

Split the line by space and store in a new string array

•

Count number of occurrence

of word Hadoop in the given string

•

Replace the ‘,’with space in the given string

•

Create a array list with generic string and store the spitted string inside it

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| --- | --- |
|  | [A program to read a text and count all the occurrences of a given word. Also, display their positions.:](http://www.smartclass.co/2011/09/program-to-read-text-and-count-all.html) |

import java.io.\*;

class TextSearch

{

public static void main(String as[]) throws Exception

{

InputStreamReader isr=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(isr);

int i=0,count=0;

String text="",s="";

System.out.println("Enter Text:(press ENTER twice to stop)\n");

s=br.readLine();

while(s.length()!=0)

{

text+=s;

s=br.readLine();

}

System.out.println("Enter search word:");

s=br.readLine();

while(true)

{

i=text.indexOf(s,i);

if(i==-1) break;

System.out.println("Word found at position:"+i);

count++;

i+=s.length();

}

System.out.println("Number of occurrences of given word:"+count);

}

}

**/\* Output: \*/**

Enter Text:(press ENTER twice to stop)

Hello hi , hi again

hi nice to see you

Enter search word:hi

Word found at position:6

Word found at position:11

Word found at position:19

Number of occurrences of given word:3