Java Programming Lab (CSE 207L)

Dept. of Computer Science and Engineering

IV Semester

JAVA

Exercise on file programming

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```java
1)

class Main

{

    public static int count(String s, char c)

    {

        int res = 0;


        for (int i=0; i<s.length(); i++)

        {

            // checking character in string

            if (s.charAt(i) == c)

            res++;

        }

        return res;

    }    //This Program is written by R.Chandu BNM

    // Driver method

    public static void main(String args[])

    {

        String str= "SRM University, Andhra Pradesh, also known as SRM University, Amaravati, is a private university located near Neerukonda village in Mangalagiri mandal of Guntur district in Andhra Pradesh, India, in the area of the planned capital city Amaravati.";

        char c = 'e';

        System.out.println(count(str, c));

    }

}
```

OUTPUT SCREEN

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Lenovo>  & 'C:\Program Files\Java\jdk-18\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=lo
calhost:57336' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\AppData\Local\Temp\vscodesws_c971
b\jdt_ws\jdt.ls-java-project\bin' 'Main'
15
PS C:\Users\Lenovo>
```

2)

```java
import java.io.*;

public class ReadFile
{
 public static void main(String[] args) throws Exception
 {
  FileReader fr=new FileReader("D:\\srm.txt");
  int i;
  while((i=fr.read())!=-1)
   System.out.print((char) i);
 }
}
```

OUTPUT SCREEN


```
Microsoft Windows [Version 10.0.22000.613]
(c) Microsoft Corporation. All rights reserved.

D:\>javac ReadFile.java

D:\>java ReadFile
SRM University, Andhra Pradesh, also known as SRM University, Amaravati, is a private university located near Neerukonda village in Mangalagiri mandal of Guntur district in Andhra
 Pradesh, India, in the area of the planned capital city Amaravati
```

3)

```java
import java.io.*;

class WriteFile
{
 public static void main(String[] args)
 {
   String str= "Embark on the avenues of excellence with SRM University-AP!
Believing in the power of education to transform lives, our interdisciplinary
research-oriented undergraduate, postgraduate, and doctoral programmes
ensure global exposure and  entrepreneurial experience to our students. We are a
thriving intellectual community prepared for a dynamic world.";
  try
  {
   FileWriter fw=new FileWriter("D:\\srm.txt",true);
   fw.write(str);
   fw.close();
  }
  catch(IOException e){}
}
}
//This Program is written by R.Chandu BNM
```
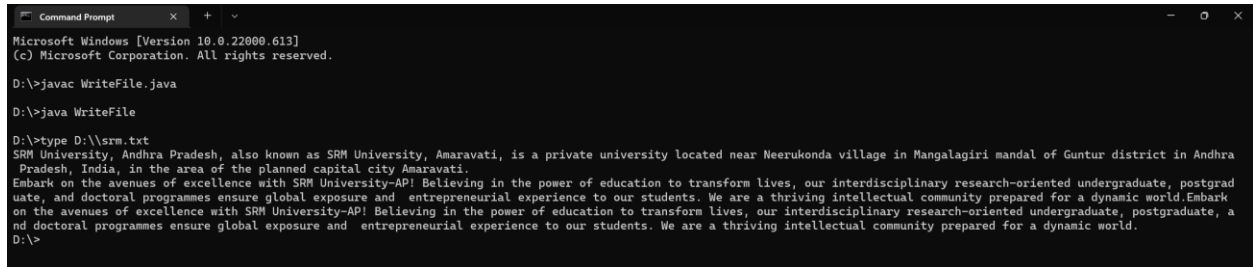
OUTPUT SCREEN

```
Microsoft Windows [Version 10.0.22000.613]
(c) Microsoft Corporation. All rights reserved.

D:\>javac WriteFile.java

D:\>java WriteFile

D:\>type D:\\srm.txt
SRM University, Andhra Pradesh, also known as SRM University, Amaravati, is a private university located near Neerukonda village in Mangalagiri mandal of Guntur district in Andhra
 Pradesh, India, in the area of the planned capital city Amaravati.
Embark on the avenues of excellence with SRM University-AP! Believing in the power of education to transform lives, our interdisciplinary research-oriented undergraduate, postgrad
uate, and doctoral programmes ensure global exposure and  entrepreneurial experience to our students. We are a thriving intellectual community prepared for a dynamic world.Embark
on the avenues of excellence with SRM University-AP! Believing in the power of education to transform lives, our interdisciplinary research-oriented undergraduate, postgraduate, a
nd doctoral programmes ensure global exposure and  entrepreneurial experience to our students. We are a thriving intellectual community prepared for a dynamic world.
D:\>
```

4)

```java
import java.util.Scanner;

import java.io.File;

import java.io.FileNotFoundException;


class Problem4{

    public static void main(String [ ] args) throws FileNotFoundException {

        new Problem4().findLongestWords();

    }


    public String findLongestWords() throws FileNotFoundException {


     String longest_word = "";

     String current;

     Scanner sc = new Scanner(new File("srm.txt"));

     //This Program is written by R. Chandu BNM

     while (sc.hasNext()) {

       current = sc.next();

        if (current.length() > longest_word.length()) {

         longest_word = current;

        }


    }

     System.out.println("\n"+longest_word+"\n");

        return longest_word;
```
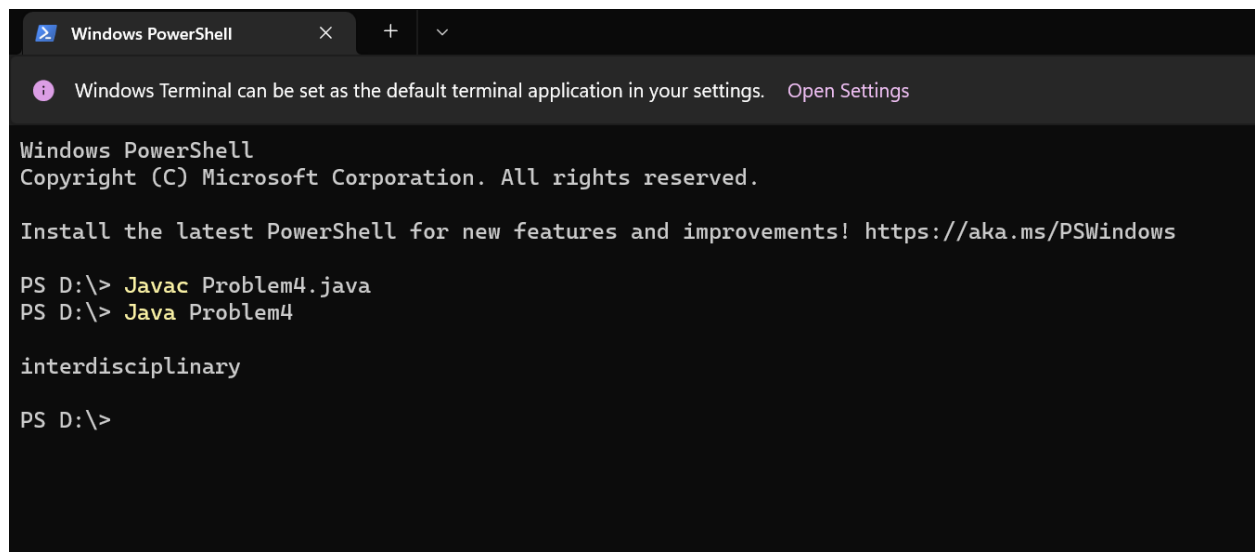
}

}

OUTPUT SCREEN