**JAVA PROGRAMMING**

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**Problem**

**Suppose a class has three string variables called name, address, and phoneNumber and they have been set to default values.  A text file called config.txt may contain values for these variables.  If a line begins with “Name:” the remainder of the line gives a new value for the name variable, and similarly for “Address:” (gives the address), and “Phone Number:” (gives the phone number).  These lines may appear in any order.  Give a function suitable for a Java program (not an applet) that reads the file and updates any of these variables according to the values given in the file.**

**Code**

**FileHandling.java**

package filehandling;

import java.io.\*;

import java.util.Scanner;

public class FileHandling {

String Name,Addr,No;

static String file="C:\\Users\\Sathya\\Desktop\\VIT\\VIT 6th sem\\JAVA\\LAB\\config.txt";

public void getFileContent()throws IOException

{

String name="",address="",phoneno="";

String word;

//System.out.println("Do you want to add to the file?");

//System.out.println("Enter choice \n 1.Add Name \n 2. Add Address \n 3. Add Phone Number\n 4. Add Display file contents\n 5. Exit\n");

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

//int inp=sc.nextInt();

System.out.println("-----Displaying contents of the file------\n");

FileInputStream fileStream = new FileInputStream(file);

BufferedReader br=new BufferedReader(new InputStreamReader(fileStream));

while((word=br.readLine())!=null)

{

String[] words=word.split(":");

int len=words.length;

if(len==0 || len==1)

continue;

String key=words[0];

String value=words[1];

if(key.equals("Name"))

{ name=value;

System.out.println("Name "+name);

}

if(key.equals("Address"))

{ address=value;

System.out.println("Address "+address);

}

if(key.equals("Number"))

{phoneno=value;

System.out.println("Phone number "+phoneno);

}

}

System.out.println("---------------------------------------------\n\n");

fileStream.close();

}

public void modifyFile()throws IOException

{

System.out.println("\tEnter choice \n \t1. Add Name \n \t2. Add Address \n \t3. Add Phone Number\n");

Scanner sc=new Scanner(System.in);

int inp=sc.nextInt();

String val,val2,val3;

String word;

switch(inp)

{

case 1: {

FileOutputStream out=new FileOutputStream(file,true);

System.out.println("Enter the Name");

val=sc.next();

val2="\nName:"+val+"\n";

byte[] store=val2.getBytes();

out.write(store);

out.close();

break;

}

case 2: {

FileOutputStream out=new FileOutputStream(file,true);

System.out.println("Enter the Address");

val=sc.next();

val2="\nAddress:"+val+"\n";

byte[] store=val2.getBytes();

out.write(store);

out.close();

break;

}

case 3: {

FileOutputStream out=new FileOutputStream(file,true);

System.out.println("Enter the Phone number");

val=sc.next();

val2="\nNumber:"+val+"\n";

byte[] store=val2.getBytes();

out.write(store);

out.close();

break;

}

default:System.out.println("Invalid choice");

}

System.out.println("File modified successfully");

}

}

**File\_Main.java**

package filehandling;

import java.io.\*;

import java.util.Scanner;

public class File\_Main {

public static void main(String[] args)throws IOException

{

FileHandling files[]=new FileHandling[100];

int i=0;

System.out.println("\*\*\*\*\*FILE OPERATIONS\*\*\*\*\*\*\*\*");

System.out.println("Enter a choice\n1. Display file content\n2. Modify file contents\n3. Exit");

Scanner sc=new Scanner(System.in);

int ch=sc.nextInt();

while(ch!=3)

{ files[i]=new FileHandling();

outer:

switch(ch){

case 1:

{files[i].getFileContent();

break;}

case 2:{

files[i].modifyFile();

break;

}

case 3:{

System.out.println("\*\*\*\*\*\*\*\*THANK YOU\*\*\*\*\*\*\*\*\*");

break outer;

}

}

i+=1;

System.out.println("Enter a choice\n1. Display file content\n2. Modify file contents\n3. Exit");

ch=sc.nextInt();

}

}

}

**Output**

run:

\*\*\*\*\*FILE OPERATIONS\*\*\*\*\*\*\*\*

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

1

-----Displaying contents of the file------

Name Meghna Lohani

Phone number 8511192673

Address Gujarat

---------------------------------------------

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

2

Enter choice

1. Add Name

2. Add Address

3. Add Phone Number

1

Enter the Name

Harshit

File modified successfully

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

2

Enter choice

1. Add Name

2. Add Address

3. Add Phone Number

2

Enter the Address

Delhi

File modified successfully

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

2

Enter choice

1. Add Name

2. Add Address

3. Add Phone Number

3

Enter the Phone number

9457806213

File modified successfully

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

2

Enter choice

1. Add Name

2. Add Address

3. Add Phone Number

1

Enter the Name

Vaishali

File modified successfully

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

2

Enter choice

1. Add Name

2. Add Address

3. Add Phone Number

2

Enter the Address

Jaipur

File modified successfully

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

1

-----Displaying contents of the file------

Name Meghna Lohani

Phone number 8511192673

Address Gujarat

Name Harshit

Address Delhi

Phone number 9457806213

Name Vaishali

Address Jaipur

---------------------------------------------

Enter a choice

1. Display file content

2. Modify file contents

3. Exit

3

BUILD SUCCESSFUL (total time: 4 minutes 59 seconds)

**Screenshot**





