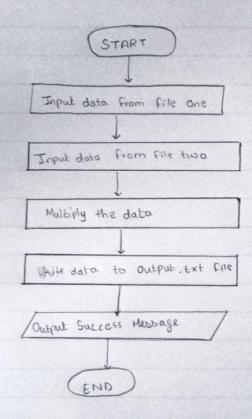
Aim: Create, debug and sum program based on sead and write characters from a file using input/output stream.

Flowchart:

0.3066



the many of any loss to wide I have a week

Beactical No. 18

Aim: Greate, debug and sun jova programs based on read and write characters from a file using input output stream.

Theory:

The File class from the java is package, allows us to work with files

To use files, we need to create object of the files class, and specify the filename or directory name

Example.

import java.io. File; OR import java.io. +;

File File = now File ("Filename.txt");

The file class contains the following methods: Method Description Retwen Value canRead() Boolean Testers whether the file is readable or not canwrite () Tests whether the file is writable or not. Boolean Boolean Greates an empty file. create New File () Boolean Deletes a file delete() exists() Boolean Tests whether file exists getName() String Returns the name of the file. getAbsolutePath() String Returns the absolute pathname of the file. Returns the size of files in Lytes length () Long list() Returns an array of the files in the directory String[] Boolean Create a directory mkdis ()

Conclusion:

ten to the large of the total replace carried

Late sample to be all organ

dia gaya

Hence, by performing this phactical I get to know about the concepts of files and performing I/O operations of othern. I also created, debugged and executed Java programs based on reading and writing characters from a file using input/output stream.

BELLA DETERMINE

My box has been to been a some not my has with the said of

and the place of an ending sight, stone settle and done son out of

```
import java.util.*;
import java.io.*;
class Practical18{
    public static void main(String[] args){
        File input = new File("input.txt");
        File input2 = new File("input2.txt");
        File output = new File("output.txt");
            Vector<Integer> product = new Vector<Integer>();
        try{
            FileReader reader = new FileReader(input);
            Vector<Integer> v1 = new Vector<Integer>();
            Vector<Integer> v2 = new Vector<Integer>();
            int ch;
            int temp;
            while((temp = reader.read()) != -1){
                v1.add(temp);
            reader.close();
            reader = new FileReader(input2);
            while((temp = reader.read()) != -1){
                v2.add(temp);
            reader.close();
            int n = v1.size() > v2.size() ? v2.size() : v1.size();
            for(int i = 0; i < n; i++){
                product.add(v1.elementAt(i) * v2.elementAt(i));
            if(v1.size() != v2.size()){
                if(v1.size() > v2.size()){
                    int l = v1.size() - n;
                    for(int i = n; i < 1; i++){</pre>
                        product.add(v1.elementAt(i));
                }else{
                    int l = v2.size()-n;
                    for(int i = n; i < l; i++){</pre>
                        product.add(v2.elementAt(i));
```

```
}
}
catch(EOFException e){
    System.out.println(e);
} catch(IOException e){
    System.out.println(e);
} catch(Exception e){
    System.out.println(e);
}

try(FileWriter writer = new FileWriter("output.txt")) {
    for( int i=0; i<product.size(); ++i) {
        writer.write(product.elementAt(i)+" ");
}
writer.close();
System.out.println("Success... Data copied to file successfully");
}
catch (Exception e ) {
    System.out.println(e);
}
</pre>
```

Output:

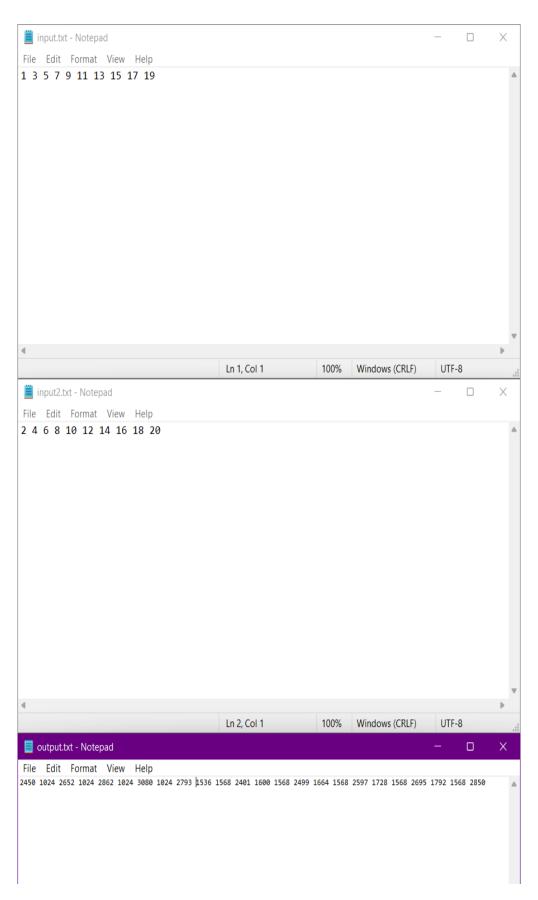
```
Command Prompt — ① X

D:\_3rdYrNotes\IT-3rd-year-notes\Java\18>java Practical18

Success... Data copied to file successfully

D:\_3rdYrNotes\IT-3rd-year-notes\Java\18>
```

Output on terminal



Input files and the output file

	PAGE NO. DATE
07.000	
-C-	
<u></u>	
	Condusion:
	Hence, by performing this practical I get to know about the concepts
	of files and Performing I/O operations on them. I also cheated, debug
	and executed Java programs based on reading and writing characters
	from a file using input loutput stream.